Digital Video Disc Player
Owner's Manual

DVD726



**Important!
Return your
Warranty
Registration Card
within 10 days.
See why inside.**

STOP!

Need Help? Call us!

Philips representatives are ready to help you with any questions about your new product. We can guide you through Connections, First-time Setup, and any of the Features. We want you to start enjoying your new product right away.

Call us before you consider returning the product.

1-800-531-0039

Or visit us on the web at www.philips.com

Let's make things better.

PHILIPS

PHILIPS

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

REGISTRATION NEEDED WITHIN 10 DAYS • PHILIPS Hurry! PHILIPS

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:
Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.
As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.
Most importantly, you can count on our uncompromising commitment to your total satisfaction. All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

Sincerely,

Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these **safety** *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use
Enter below the Model No. and Serial No., which are located on the rear of the cabinet. Retain this information for future reference.
Model No. ____________________
Serial No. ____________________

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.
Federal Communications Commission (FCC) Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

Laser Safety

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.
CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM. THE BEAM IS LOCATED INSIDE, NEAR THE DECK MECHANISM.

Special Information for Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio/TV Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and the receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

Copyright Protection

Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited.
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Declaration of Conformity

Model Number:	DVD726
Trade Name:	Philips
Responsible Party:	Philips Consumer Electronics P.O. Box 14810 Knoxville, TN 37914-1810 (865) 521-4316

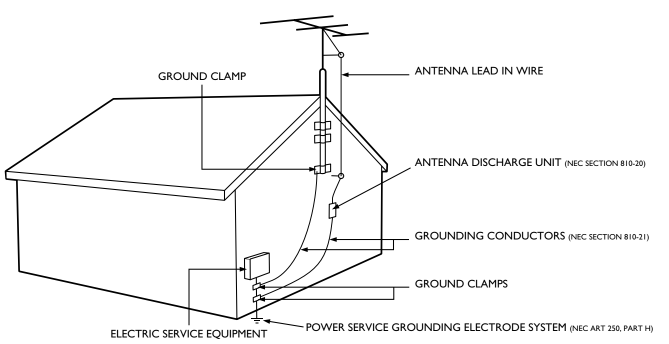
IMPORTANT SAFETY INSTRUCTIONS

1. Read instructions. Read all the safety and operating instructions before operating the product.
2. Retain instructions. Keep the safety and operating instructions for future reference.
3. Heed warnings. Adhere to all warnings on the product and in the operating instructions.
4. Follow instructions. Follow all operating and use instructions.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, etc.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
9. Move a product and cart combination with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



10. Ventilation – Slots and openings in the cabinet provide ventilation, ensure reliable operation of the product, and protect it from overheating. Do not block or cover these openings. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. Do not place this product in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13. Power-Cord Protection – Route power supply cords so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
14. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure at right.
15. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
16. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep it from touching such power lines or circuits; contact with them might be fatal.
17. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles. This can result in a risk of fire or electric shock.
18. Object and Liquid Entry – Never push objects of any kind into this product through openings; they may touch dangerous voltage points or short out parts, resulting in a fire or electric shock. Never spill liquid of any kind on the product.
19. Servicing – Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power supply cord or plug is damaged,
    b) If liquid has spilled or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls covered by the operating instructions. An improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way,
    f) When the product exhibits a distinct change in performance. This indicates a need for service.
21. Replacement Parts – When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
22. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
23. Wall or Ceiling Mounting – Mount the product to a wall or ceiling only as recommended by the manufacturer.
24. Heat - Situate this product away from heat sources, such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
25. Battery usage CAUTION - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
    • Install all batteries correctly, with + and - aligned as marked on the unit.
    • Do not mix batteries (old/new, carbon/alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.

Example of Antenna Grounding per National Electrical Code



Welcome!

This Digital Video Disc Player will allow you to enjoy better picture quality, clearer sound, and endless playback features on Digital Video Discs (DVDs). Expanding technology allows you to add options to your viewing - watch a director's cut of a movie, listen to the producer's comments, or play your favorite scene repeatedly. Hear a movie in different languages, or listen only to the soundtrack. The possibilities are limited only by your choices and the materials available on the DVD.
We hope you enjoy this DVD Player and learn to use its features. To get the most from the DVD Player, read this manual carefully. It will describe how you can access these features.

Features

- Closed Captions
- Disc Lock
- Language options for Audio, Subtitles, and Disc Menus
- MP3 and JPEG file playback with menu Navigator
- Parental controls
- Paused/Fast/Slow/Frame-by-Frame/Zoomed/Reduced playback
- Preview (Video CDs)
- Programmed playback
- Repeat and Repeat A-B Playback
- Screen Saver

Package Contents

- DVD Player
- Remote control with two AA batteries
- One set of audio cables (red and white)
- One video cable (yellow)
- This owner's manual and registration materials
- Quick-Use Guide

Environmental Information

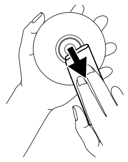
Your system has materials that can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries, and old equipment.

Safety Information

- Do not expose the system to excessive moisture, rain, sand, heat, or humidity.
- Place the DVD Player on a firm, flat surface.
- Keep the DVD Player away from domestic heating equipment and direct sunlight.
- When placing the DVD Player in a cabinet, allow about one inch of space all around the DVD Player for ventilation. Leave enough room in front of the DVD Player for the disc tray to open completely.
- If the DVD Player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the DVD Player. If this occurs, the DVD Player will not operate normally. Leave the power on for about one hour with no disc in the DVD Player until normal playback is possible.
- The mechanical parts of the Player contain self-lubricating bearings and must not be oiled or lubricated.
- When the DVD Player is turned off, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the power outlet.
- Always keep the disc tray closed to avoid dust on the lens.

Cleaning Discs

- When a Disc becomes dirty, clean it with a cleaning cloth. Wipe the Disc from the center to the edge in a straight line. Do not wipe the Disc in a circular pattern.



- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for analog discs.

Playable Discs

This DVD Player will play various types of Discs. Look for these logos on your Discs to determine whether the Disc will play on this Player.

DVD (Digital Video Disc)

Audio CD (Compact Disc Digital Audio)

Video CD and Super Video CD

CD-R (CD-Recordable) and CD-RW (CD-Rewritable)
Finalize CD-Rs when you record them. Otherwise, you cannot play them on this Player.

DVD+R (DVD + Recordable) and DVD+RW (DVD + Rewritable)
Finalize these Discs when you record them. Otherwise, you cannot play them on this DVD Player.

Region Codes and Color Systems

DVDs must meet the requirements for Region Codes and Color Systems before you can use them with the DVD Player. DVDs must be labeled for **ALL regions or for Region 1** in order to play on this DVD Player. You cannot play Discs that are labeled for other regions. These symbols must appear on your DVDs, or you cannot play the DVD in this Player.

The number inside the globe refers to a region of the world. Region 1 represents the United States, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.

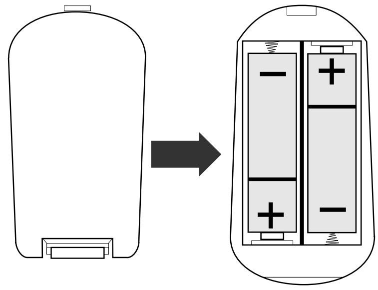
Furthermore, recordings are made according to different color systems throughout the world. The most common color systems are NTSC (which is used primarily in the United States and North America), PAL, and SECAM.

This DVD Player is compatible with **NTSC and PAL**. Make sure the Discs you play were recorded in NTSC or PAL and your TV is NTSC or PAL compatible. You must set the DVD Player's TV TYPE to match your TV and your DVDs. *Details are on page 38.* The color system of the DVD may appear on the DVD or on the Disc case.

DVD Player Upgrades

If a DVD does not play properly, please contact Philips at 1-800-531-0039 for assistance. Due to the inconsistency of Disc formats provided by various Disc manufacturers, your DVD Player may require a playability enhancement. As DVD technology has advanced, these enhancements have become both common and easy to complete.

Battery Installation



1 **Remove the battery compartment lid** on the rear of the remote control by pressing in the tab, then lifting off the lid.

2 **Place two AA batteries inside the battery compartment with their + and – ends aligned as indicated.** Do not mix old and new batteries or different types of batteries (standard, alkaline, etc.).

3 **Replace the battery compartment lid.**

Using the Remote Control

When using the remote control to operate the DVD Player, aim the remote toward the front of the Player (not toward the TV).

When referring to this manual, remember...

DVD	The feature is available on some Digital Video Discs.
AUDIO CD	The feature is available on some Audio Compact Discs.
VIDEO CD	The feature is available on some Video Compact Discs or Super Video CDs.

DVD Disc Menus...

Some explanations in this manual describe the DVD Disc Menus, which vary among DVDs. Movie producers set these menus, and not all DVDs have menus. If the DVD has a menu, access the Disc Menu by pressing the DISC MENU button on the remote control. *Details are on page 20.*

DVD Player Menus...

Some instructions explain how to use the DVD Player's Setup menu to set features of the Player or the Disc. You get to the Setup Menu by pressing SYSTEM MENU on the remote control. Even if a feature is set in the Player's menu, it will not be available if the current Disc does not include that feature.

Available Disc Features...

Features in this manual may not be available on every Disc. If the feature is not available, you cannot use the DVD Player to make the feature available. The ∅ will appear in the top left corner of the TV screen if you try to access a feature that is not available. For example, the feature may not be available at the present time. Some features are only available during playback, while other items can be accessed only when play is stopped. Try stopping or starting playback, then try the feature again.

Determining the best possible connection...

The capabilities of your existing equipment, especially your TV, will determine your connection possibilities. However, the following guidelines describe which options provide the best picture and sound quality.

★★★★ Component Video provides the best picture quality. *Details are on page 13.* If your TV accepts Progressive Scan through the Component Video connection, set PROGRESSIVE to ON at the Player. *Details are on page 38.*

★★★ S-Video provides excellent picture quality. *Details are on page 12.*

★★ Composite Video (a yellow Video jack) provides good picture quality. *Details are on page 11.*

★★ **Your TV may have only an RF-style jack, usually labeled Antenna In or 75 ohm or RF In. You will need an RF modulator in order to view the DVD Player at your TV.** *Details are on page 10.*

★★★★ Digital audio connections provide the clearest sound, but you must have a digital stereo receiver. Connect the DVD Player's COAXIAL digital audio out jack to your Stereo for the best sound quality. *Details are on page 15.*

★★★ If digital connections are not possible, connect the DVD Player's red and white AUDIO OUT jacks to the Audio In jacks of your Stereo, TV, or RF modulator. *Details are on pages 10-14.*

Before you begin...

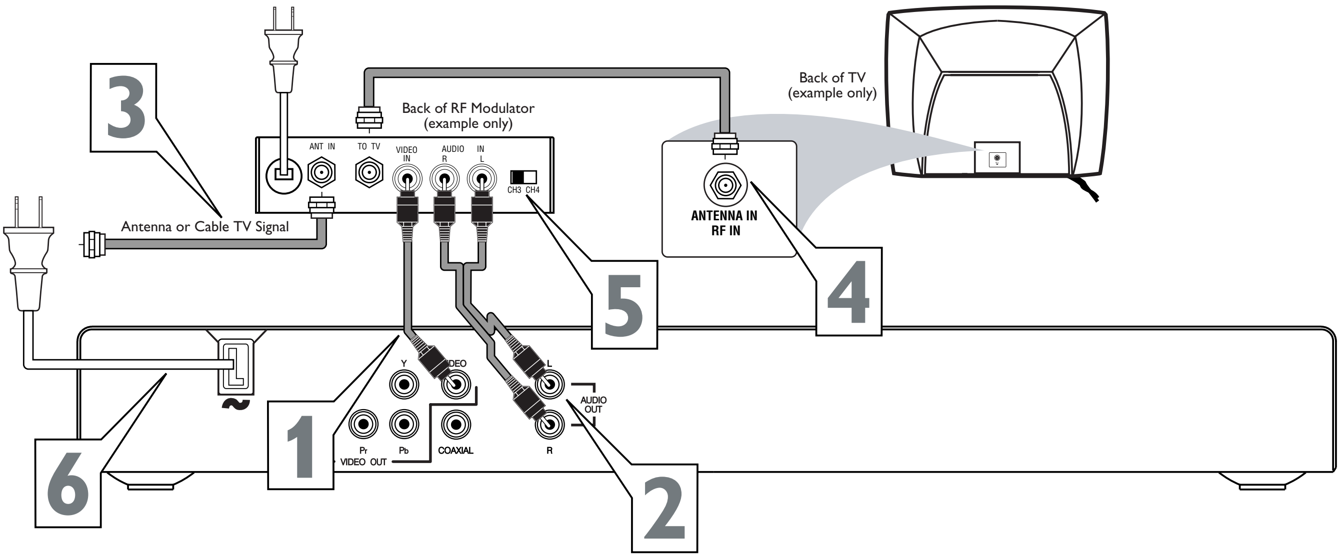
- Refer to the manuals of your TV, Stereo, or other equipment as necessary. Note the style of jacks and connectors on the other equipment. Determine how to choose different Audio and Video In channels/sources on your other equipment so you can see and hear the DVD Player on the TV, Stereo, etc.
- Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have finished hooking up everything. Never make or change connections with equipment connected to the power outlet.

Remember...

- Connect the DVD Player directly to the TV. For example, do not connect the DVD Player to a VCR, then connect the VCR to a TV. This type of connection may distort the picture and sound. Also, your VCR might have the copy protection system, which could distort the DVD image or prevent playback of some Discs.
- Set the TV to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2 or External In, etc. These channels are often near channel 00. See your TV manual for details. Go to your lowest TV channel (01 or 02) and change TV channels downward until you see the DVD screen saver on the TV. Or, your TV's remote may have a button or switch that selects Video In channels. Check your TV manual for details.
  If you are using an RF modulator, set the TV to channel 3 or 4.
- Set the Stereo to the correct channel or "source" mode.
- Do not connect the DVD Player's AUDIO OUT jacks to the PHONO IN jack of your Stereo.
- You only need one audio connection and one video connection between the DVD Player and your TV and/or Stereo. So, you will not use all the jacks on the DVD Player.

Once you determine the best option, find your choice on pages 10-15. Follow the steps for the hookup you choose.

Connecting to a TV Only
TV has only a single Antenna In or RF In jack



Before you begin, make sure you have an RF modulator and extra RF coaxial cables. These are not supplied with the Player, but are available from Philips or most consumer electronics retailers.

1 **Connect the supplied video cable (which has yellow markings) to the Player's yellow VIDEO (VIDEO OUT) jack. Connect the other end of the cable to the VIDEO IN jack on the RF modulator.** The VIDEO IN jack on the RF modulator is usually yellow and might be labelled VIDEO, CVBS, COMPOSITE, or BASEBAND.

2 **Connect the supplied audio cable (which has red and white markings) to the Player's AUDIO OUT (left and right) jacks.**
Connect the other ends of the audio cable to the AUDIO IN jacks on the RF modulator. Audio jacks on the RF modulator usually are red (right) and white (left). Match the cable colors to the jack colors.

3 You probably already have an Antenna or Cable TV signal connected to the ANTENNA IN jack on your TV. **Disconnect it now from the TV. Reconnect the Antenna or Cable TV signal to the ANTENNA IN jack on your RF modulator.**

4 **Connect an RF coaxial cable (not supplied) to the RF OUT, ANTENNA OUT, or TO TV jack on the RF modulator.** The RF OUT jack may be labelled differently among different brands. Refer to the instructions provided with your RF modulator. **Connect the other end of the same RF coaxial cable to the ANTENNA IN or RF IN jack on your Television.**

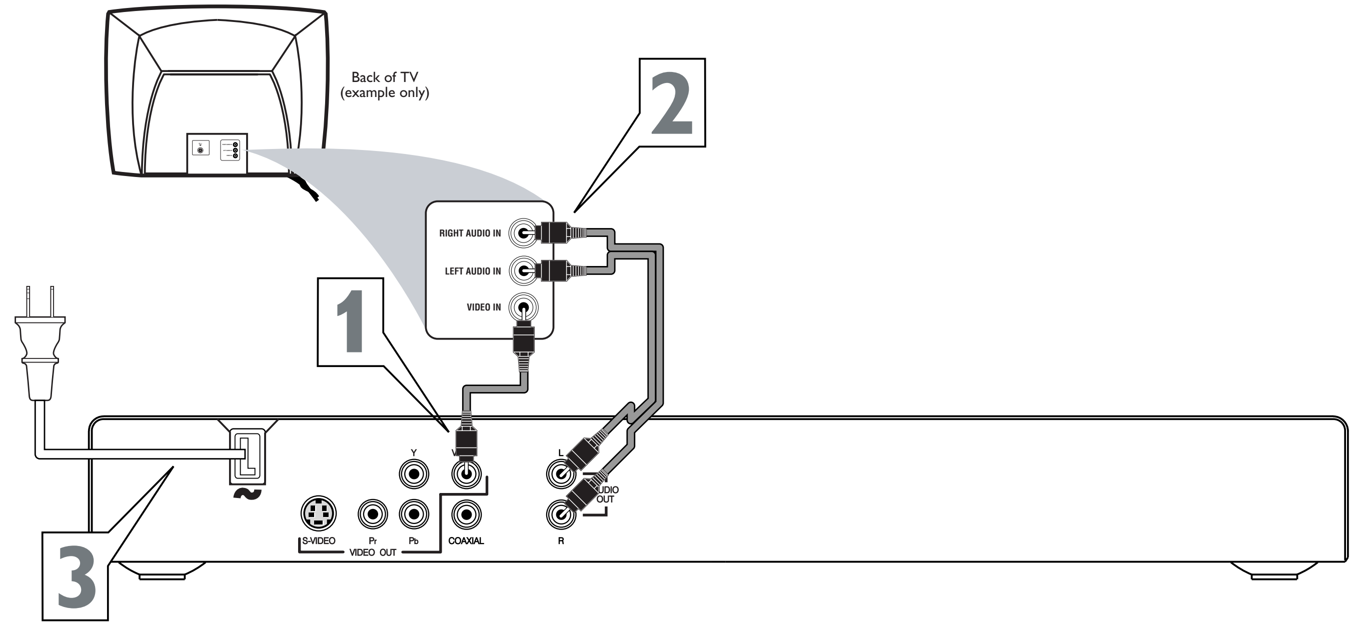
5 Your RF Modulator should have a Channel 3/4 switch. The setting of this switch determines the TV channel on which you will watch materials playing on the DVD Player.
Set the RF Modulator's Channel 3/4 switch to either 3 or 4, whichever TV channel is least used in your area. If your RF modulator has a Modulator/Antenna switch, set it accordingly. Refer to the instructions that came with the RF Modulator.

6 **Connect the power cords of all the equipment to a power outlet.**

7 **Turn on your TV and choose channel 3 or 4.** Choose the same channel to which you set the RF Modulator's Channel 3/4 switch.

8 **Turn on the DVD Player by pressing STANDBY-ON ⏻.** You should see the Player's blue DVD screen on the TV.

Connecting to a TV Only
TV has a yellow Video In jack



1 **Connect the yellow VIDEO (VIDEO OUT) jack of the DVD Player to the corresponding VIDEO IN jack on your TV.** Use the supplied video cable, which has yellow markings.

2 **Connect the supplied audio cable to the red and white AUDIO OUT (left and right) jacks on the DVD Player and to the left/right AUDIO IN jacks on the TV.** The supplied audio cables have red and white markings. Match the cable colors to the jack colors.

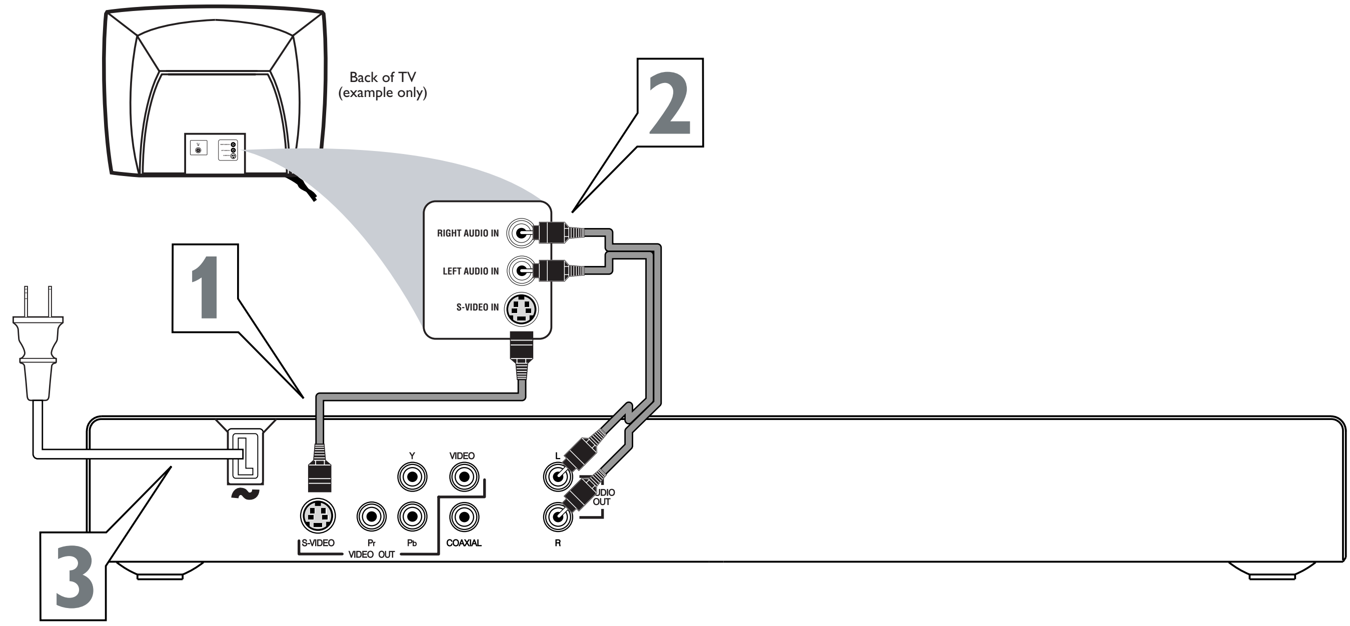
3 **Plug the power cords of the DVD Player and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.**

4 **Turn on the TV. Set it to the correct Video In channel.** See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen on the TV.

Helpful Hints

- *On the TV, the Video In jack is usually yellow and might be labeled video, CVBS, composite, or baseband.*
- *If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. You need a "splitter" audio cable to go from the left/right AUDIO OUT jacks of the DVD Player to the single Audio In jack on your TV. See your electronics retailer for details.*

Connecting to a TV Only
TV has an S-Video In Jack



1 **Connect an S-Video cable (not supplied) to the S-VIDEO (VIDEO OUT) jack of the DVD Player and to the TV's S-VIDEO In jack.**

2 **Connect the supplied audio cable to the red and white AUDIO OUT (left and right) jacks on the DVD Player and to the left/right AUDIO IN jacks on the TV.** The supplied audio cable has red and white markings. Match the cable colors to the jack colors.

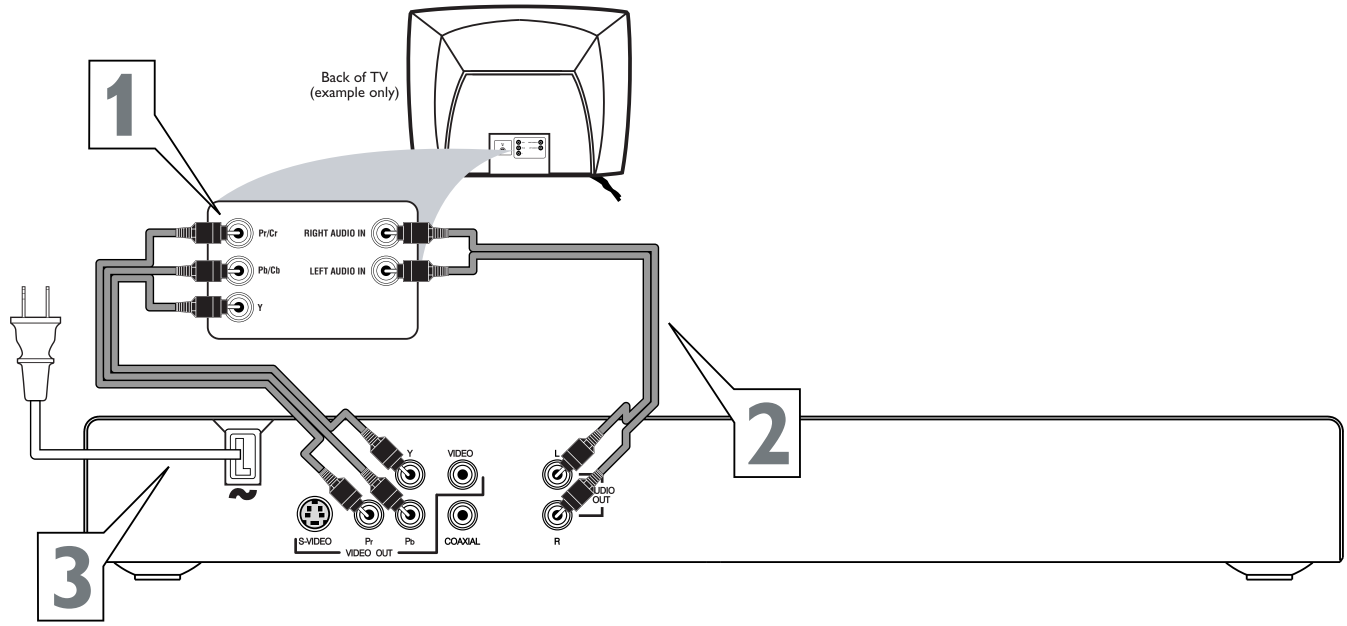
3 **Plug the power cords of the DVD Player and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.**

4 **Turn on the TV. Set it to the correct S-Video In channel.** See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen on the TV.

Helpful Hints

- *On the TV, the S-Video In jack may be labeled Y/C, S-Video, or S-VHS (super video).*
- *If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. You need a "splitter" audio cable to go from the left/right AUDIO OUT jacks of the DVD Player to the single Audio In jack on your TV. See your electronics retailer for details.*

Connecting to a TV Only
TV has Component Video In Jacks (red, green, and blue)



1 **Connect the DVD Player's Y Pb Pr (VIDEO OUT) jacks to the corresponding COMPONENT VIDEO IN jacks on the TV.** Use component video cables (not supplied). The Component Video jacks are red, green, and blue.
On your TV, you may have additional Component Video In jacks that are specifically labelled Progressive Scan. If you use these instead, set PROGRESSIVE to ON at the Player. (See step 5.)

2 **Connect the DVD Player's red and white AUDIO OUT (left and right) jacks to the left/right AUDIO IN jacks on the TV.** Use the supplied audio cables, which have red and white markings. Match the cable colors to the jack colors.

3 **Plug the power cords of the DVD Player and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.**

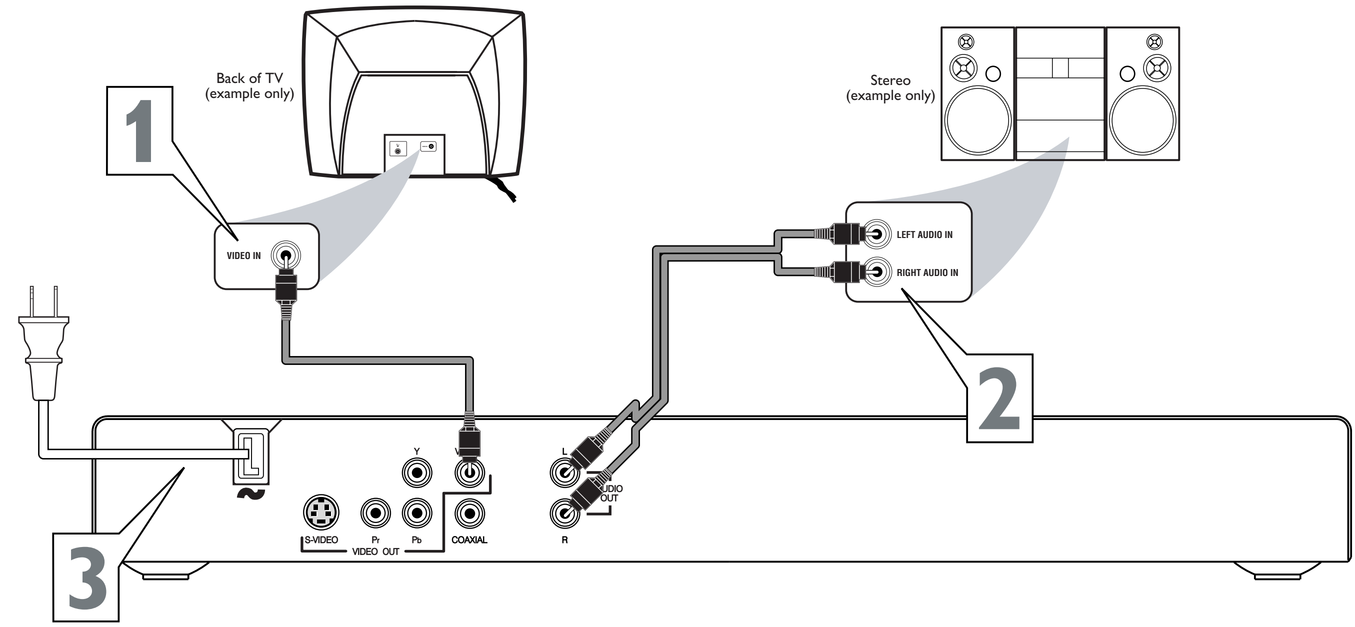
4 **Turn on the TV. Set it to the correct Component Video In channel.** See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen on the TV.

5 **If your TV has Progressive Scan, set PROGRESSIVE to ON at the DVD Player.** *Details are on page 38.*
Select Progressive Scan at your TV also if necessary. See your TV owner's manual for details.

Helpful Hint

- *On the TV, the component video in jacks may be labeled YUV or Pr/Cr Pb/Cb Y and may be green, blue, and red.*
- *If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. You need a "splitter" audio cable to go from the left/right AUDIO OUT jacks of the DVD Player to the single Audio In jack on your TV. See your electronics retailer for details.*

Connecting to a TV and a two-channel Stereo (Stereo has Dolby Pro Logic or right/left Audio In jacks)



1 **Connect the supplied video cable to the yellow VIDEO (VIDEO OUT) jack of the DVD Player and to the TV's VIDEO IN jack.** The supplied video cable has yellow markings.

2 **Connect the supplied audio cable to the red and white AUDIO OUT (left and right) jacks on the DVD Player and to the left/right AUDIO IN jacks on the Stereo.** Match the cable colors to the jack colors.

3 **Plug the power cords of the DVD Player, Stereo, and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.**

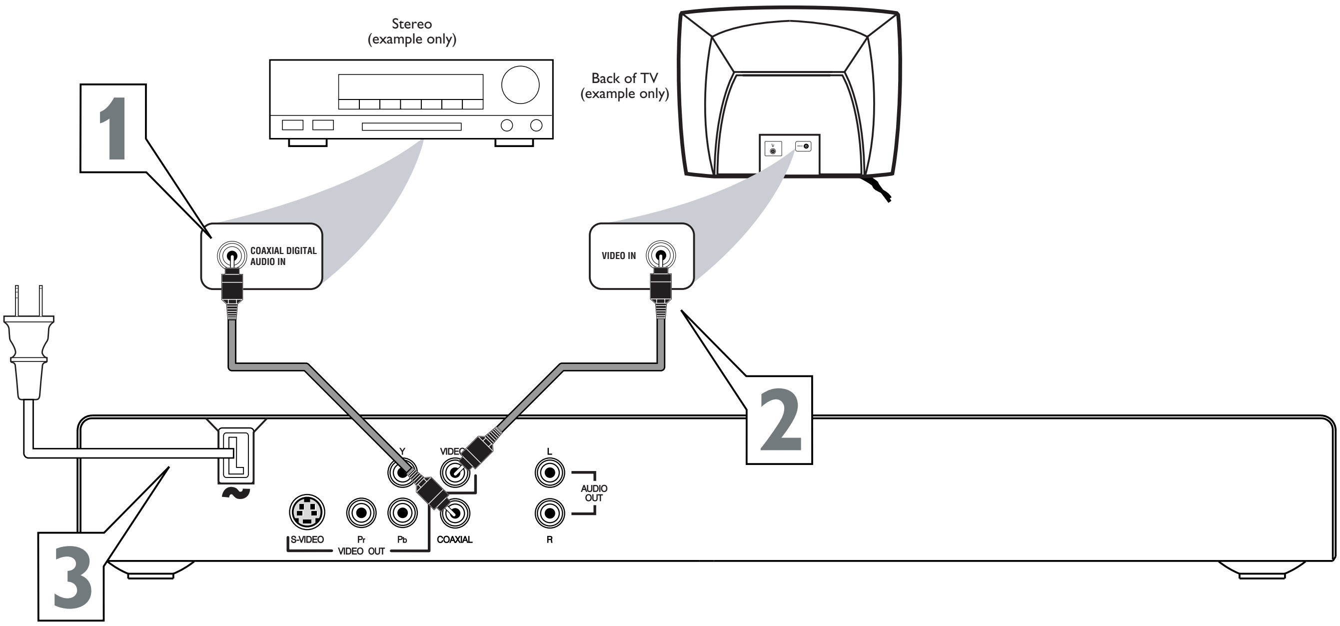
4 **Turn on the Stereo and set it to the correct Audio In channel or sound source.** Refer to the Stereo owner's manual for details.

5 **Turn on the TV. Set it to the correct Video In channel.** See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen on the TV.

Helpful Hint

- *If you prefer or need to use the S-VIDEO or Y Pb Pr jacks instead, see pages 12-13. You only need one video connection between the TV and the DVD Player.*

Connecting to a TV and a Stereo (Stereo has Dolby Digital™ or MPEG2)



1 **Connect the Player's COAXIAL jack to the Stereo's COAXIAL DIGITAL AUDIO IN jack.** Use a coaxial digital audio cable (not supplied). See your electronics retailer for details and availability.

2 **Connect the supplied video cable to the Player's yellow VIDEO (VIDEO OUT) jack and to the TV's VIDEO IN jack.** The supplied video cable has yellow markings.

3 **Plug the power cords of the DVD Player, Stereo, and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.**

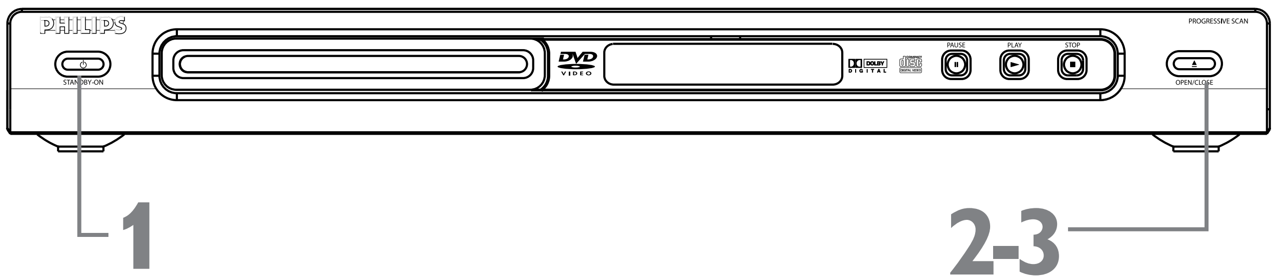
4 **Turn on the Stereo and set it to the correct Audio In channel or sound source.** Refer to the Stereo owner's manual for details.

5 **Turn on the TV. Set it to the correct Video In channel.** See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen on the TV.

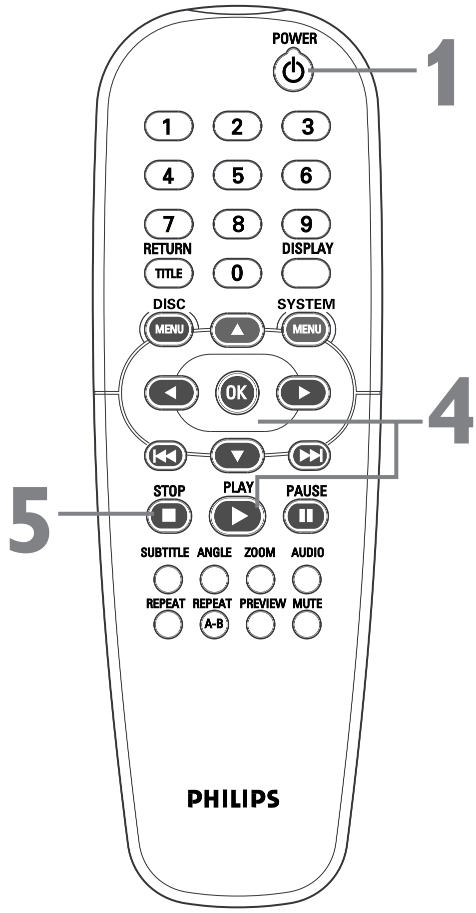
Helpful Hints

- *Set DIGITAL OUTPUT and LPCM OUTPUT accordingly. Details are on page 40.*
- *Your Stereo must support MPEG2 or Dolby Digital™. Check the Stereo's manual.*
- *If you prefer or need to use the S-VIDEO or Y Pb Pr jacks instead, see pages 12-13.*

DVD | AUDIO CD | VIDEO CD

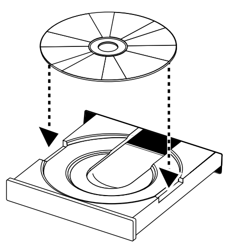


There are many playback features and options available on Discs. After familiarizing yourself with the DVD Player as described on pages 17-19, see pages 20 and following to try additional features.



1 **Press STANDBY-ON ⏻ or POWER ⏻ to turn on the DVD Player. Turn on your TV. Set it to the correct Video In channel.** You should see the blue DVD screen on the TV.

2 **Press OPEN/CLOSE ▲ to open the disc tray.**
Load your Disc in the tray, with the label facing up. If the Disc (DVD) is two-sided, make sure the label of the side you want to play is facing up.



3 **Press OPEN/CLOSE ▲ again to close the tray.**

4 **Play may start automatically. If not:**
• If you are playing a DVD, a Disc menu may appear. If the Title or Chapter selections are numbered, press a Number button to select an item. Or, press ▲▼◀ ▶ to select an item, then press OK. Playback will begin. Or, follow the on-screen instructions as detailed in the DVD Disc menu.
• If you are playing an Audio CD, press PLAY ▶ to start play.
• If a Video CD has Playback Control, press DISC MENU to access its menu while play is stopped. Or, press RETURN/TITLE to see the menu during playback. Press the Previous |◀◀, Next ▶▶|, ▲, ▼, ◀, ▶, or Number buttons to select an item, then press OK. Follow the instructions provided by the Video CD. Not all Video CDs have Playback Control. See the Disc case or menus for details.

5 **To stop play at any time, press STOP ■.**
If you press STOP ■ only once, play will resume at the same point if you press PLAY ▶ later to restart play. This is known as the Resume feature.
Resume applies to the last five Discs. Press PLAY ▶ immediately after inserting the Disc in the Player (while LOADING shows on the TV screen). RESUME PLAY will appear on the TV screen briefly.
If you press STOP ■ more than once to stop playback, play will start at the beginning of the Disc again if you press PLAY ▶ later to restart playback.

Helpful Hints

- *If the Disc is locked by Parental controls, you must enter your password or unlock the Disc. Details are on pages 28-30.*
- *DVDs have a region code. This Player will play only DVDs of Region 1 or ALL. Details are on page seven.*
- *If there is no activity at the Player or its remote for 15 minutes, the Player will turn itself off. Press STANDBY-ON ⏻ on the Player or POWER ⏻ or PLAY ▶ on the remote to turn on the Player.*

Number Buttons
Press to select numbered items in a menu. Press to select a Chapter, Title, or Track to play. *Details are on page 20.*

RETURN/TITLE Button
Press to go to a previous Disc menu or to access a DVD's Title menu. These options are not available with all Discs.

DISC MENU Button
Press during playback to access a DVD's menu. *Details are on page 20.*

Previous I◀◀ Button
Press to go to the beginning of the current Chapter or Track or to the previous Chapter or Track. Press and hold for one second to search backward. *Details are on pages 20-21.*

STOP ■ Button
Press to stop Disc playback. Press and hold the STOP ■ button until OPEN appears on the display panel to open the disc tray. Press STOP ■ while the tray is open to close the Disc tray.

PLAY ▶ Button
Press to begin Disc playback.

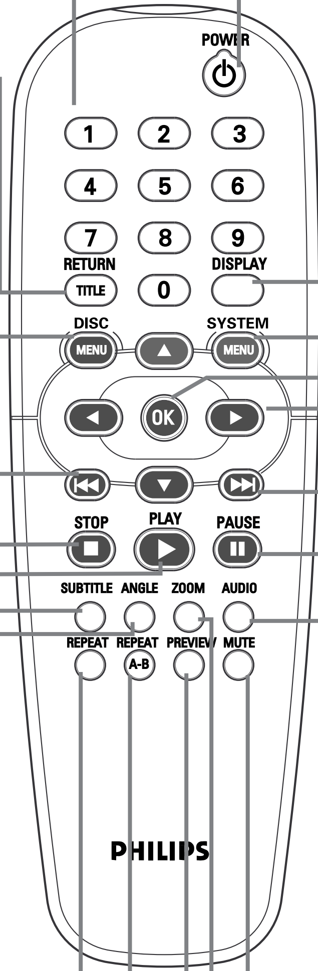
SUBTITLE Button
Press during DVD play to select a subtitle language. *Details are on page 26.*

ANGLE Button
Press to select a camera angle during DVD play. *Details are on page 23.*

REPEAT Button
Press to play a Chapter, Title, Track, or Disc repeatedly. *Details are on page 24.*

REPEAT A-B Button
Press to set up Repeat A-B playback, in which a certain segment of the Disc plays repeatedly. *Details are on page 24.*

PREVIEW Button
Press to enter the Preview menu for a Video CD or Super Video CD. *Details are on page 32.*
Or, press to play the first several seconds of each Track on an Audio CD (SCAN). *Details are on page 20.*



POWER ⏻ Button
Press to turn on or off (Standby) the power of the DVD Player.

DISPLAY Button
Press during playback to see current disc information on the TV screen.
Details are on pages 20 and 22.

SYSTEM MENU Button
Press to access or remove the Setup Menu of the DVD Player.

OK Button
Press to approve a menu selection.

▲▼◀ ▶ Buttons
Press to select items in a menu. Press ◀ or ▶ for fast searching. *Details are on page 21.* Press ▲ or ▼ during DVD playback for slow motion. *Details are on page 21.*

Next ▶▶I Button
Press to skip to the next Chapter or Track. Press and hold for one second to search forward. *Details are on pages 20-21.*

PAUSE II Button
Press to pause play or to advance a paused picture one frame at a time.
Details are on page 22.

AUDIO Button
Press to select a different audio language or soundtrack during DVD playback.
Details are on page 25.
With some Video CDs, Super Video CDs, and Audio CDs, press AUDIO to choose an audio channel.
Details are on page 25.

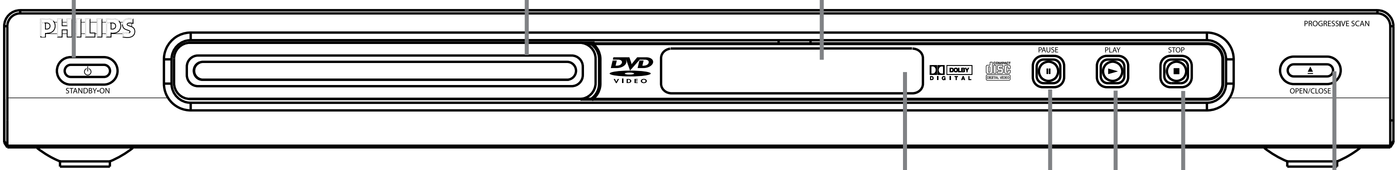
MUTE Button
Press to silence or restore the volume. Aim the remote at the DVD Player, not the TV.

ZOOM Button
Press to reduce or enlarge the picture during playback. *Details are on page 23.*

STANDBY-ON ⏻ Button
Press to turn the DVD Player on or off (Standby). A red light will appear on the front of the Player when the power is off (Standby).

Disc Tray
Insert a Disc here. Load the Disc with the label facing up and the shiny side facing down. If the Disc is two-sided, place the Disc in the tray with the label of the side you want to play facing up. *Details are on page 16.*

Display Panel
Current Disc details appear here, including the elapsed playing time of a Disc.
SEARCH, PAUSE, STOP (play is stopped), MUTE (ON or OFF), OPEN, CLOSE, LOAD, OFF (power is turning off), ROOT(for a DVD Disc menu), or Repeat messages also appear here to indicate the current status of the Player or Discs.
To adjust the brightness of the display panel, set DISPLAY DIM. *Details are on page 44.*



Remote sensor
This sensor receives the commands from the DVD Player's remote control. When using the DVD Player's remote control to operate the Player, point the remote here (not toward your TV).

PAUSE ⏸ button
Press during playback to pause play; press again to resume play from the same point.

PLAY ▶ button
Press to start playing a Disc.

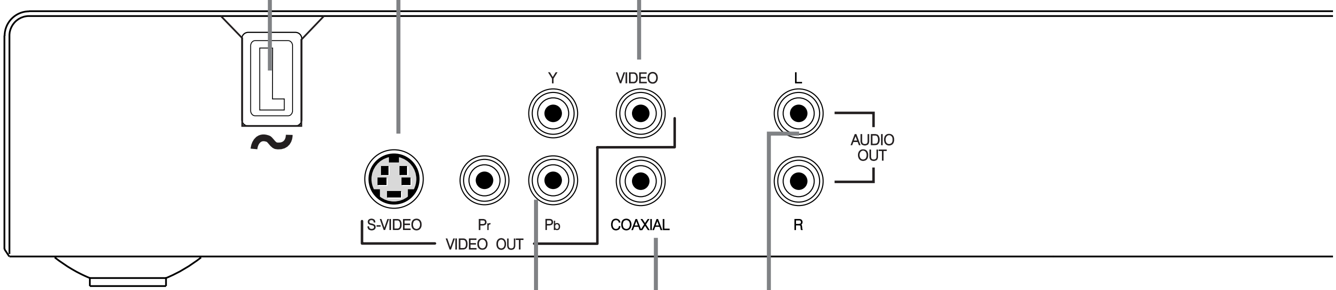
STOP ■ button
Press once to stop Disc playback. Play will resume from the same point the next time you start playback. *Details are on page 16.*
Or press STOP ■ twice to stop Disc playback. Play will resume from the beginning of the Disc the next time you start playback.
You must stop playback by pressing STOP ■ twice in order to access PREFERENCE SETUP in the DVD Player's Setup menu.

OPEN/CLOSE ▲ button
Press to open or close the Disc tray.

AC Power cord
Connect to a standard AC power outlet after completing all other connections.

S-VIDEO (VIDEO OUT) jack
Use an S-video cable (not supplied) to connect this jack to the S-Video In jack of your TV. *Details are on page 12.*

VIDEO (VIDEO OUT) jack
Connect the supplied video cable (yellow) here and to the TV's Video In jack. *Details are on page 11.*
Or, connect this jack to an RF modulator (not supplied) if your TV does not have a Video In jack.
Details are on page 10.



Y Pb Pr (VIDEO OUT) jacks
Connect component video cables (not supplied) here and to the Component Video In jacks of a TV. The jacks are usually green, blue, and red. *Details are on page 13.*
If your TV has Progressive Scan, set PROGRESSIVE to ON at the Player for the best picture.
Details are on page 38.

COAXIAL jack
Connect a digital audio coaxial cable (not supplied) here and to the Digital Audio Coaxial In jack of a Stereo. *Details are on page 15.*

AUDIO OUT (left/right) jacks
Connect the supplied audio cables (red and white) here and to the AUDIO IN jacks on your TV, Stereo, or RF Modulator.
Details are on pages 10-14.

Helpful Hint

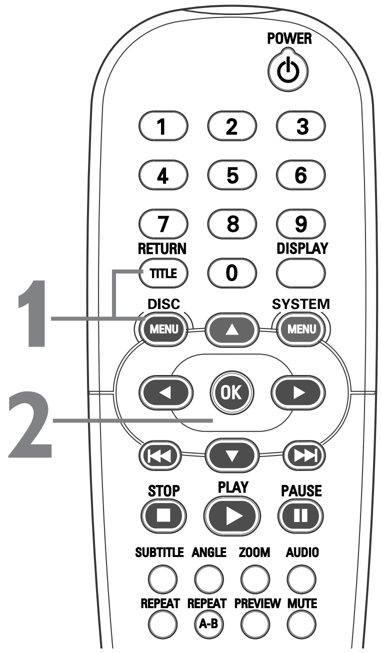
- *You only need one audio and one video connection between a TV and the Player, so you will not use all the jacks on the Player.*

DVD

Title/Disc menus

1 **Press DISC MENU during DVD playback.**
The main Disc menu (or Root menu) will appear. The menu may list camera angles, spoken language and subtitle options, and Chapters for the Title.
Or, if the current Title has a specific Title menu, press the RETURN/TITLE button to access the Title menu. Title menus are not available on all Discs.

2 **Press ▲▼◀ ▶ to select items in the menu, then press OK.**
Continue until you set up all the features you want or until playback begins. If Chapters or options are numbered, press the appropriate Number button to select the item. Some DVDs may not allow you to operate the Disc menu this way. Follow the instructions on the Disc.



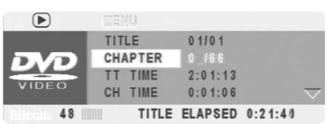
DVD | AUDIO CD | VIDEO CD

Chapter/Track Selection

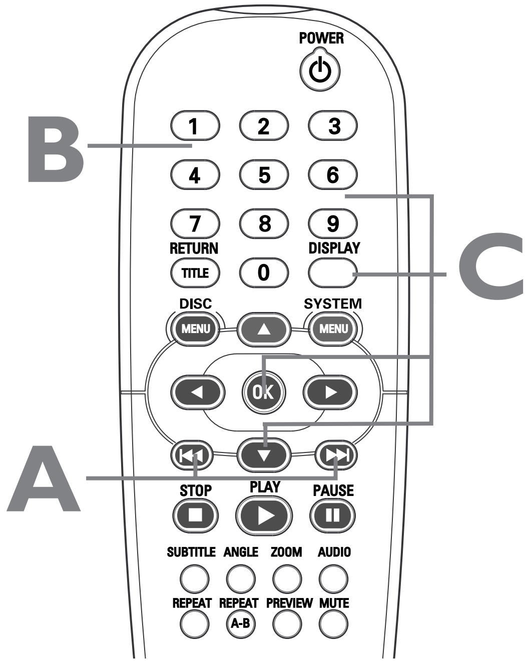
A **Press Next ▶▶| during playback to go to the next Track/Chapter. Press Previous |◀◀ during the first two seconds of the current Track/Chapter to go to the previous Track/Chapter. After two seconds of the current Track/Chapter, press Previous |◀◀ to go to the beginning of the current Track/Chapter; press it repeatedly to go to previous Tracks/Chapters.**

B **To go directly to any Track/Chapter during playback, press the Number buttons to enter the Track/Chapter number.** Precede single-digit numbers with a zero. For example, for Track six, press 0,6. Play will resume from the beginning of the Track/Chapter you selected.
If you enter an invalid number, the current Track/Chapter will continue to play. Make sure the Track/Chapter number you enter is available on the Disc. Make sure a Chapter is available within the current Title.

C During DVD or Video CD play only, you can select a Track, Title, or Chapter in the display. **Press DISPLAY, then press ▼ to select TITLE, CHAPTER, or TRACK. Then press OK. Press the Number buttons to enter the Title, Chapter, or Track number you want.** Precede single-digit numbers with a zero (the zero may be entered for you already in the display). Play will resume at the beginning of the Title, Chapter, or Track you selected. Press DISPLAY again to remove the display.



DVD example

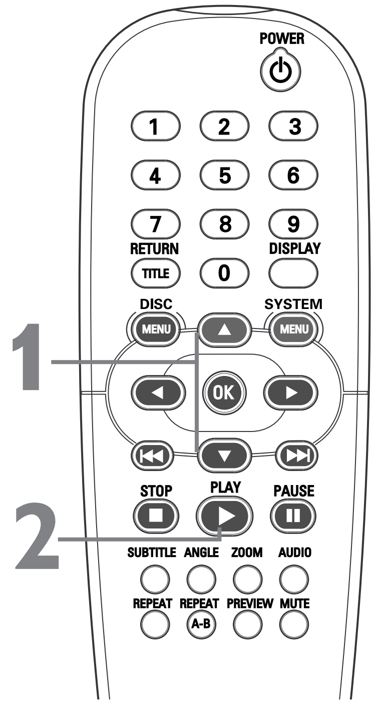


Helpful Hints

- *To scan all the Tracks on an Audio CD, press PREVIEW. The first several seconds of each Track will play. After each Track is introduced, Disc play will start from the first Track. Or, to start play at a Track you find during scanning, press PREVIEW again. SCAN will appear in the top left corner of the TV screen during Track scanning.*
- *The Display method of Track selection is not available for Audio CDs.*
- *When DVD play is stopped, press the Number buttons, then OK, to select a Title to play.*

DVD | VIDEO CD

Slow Motion

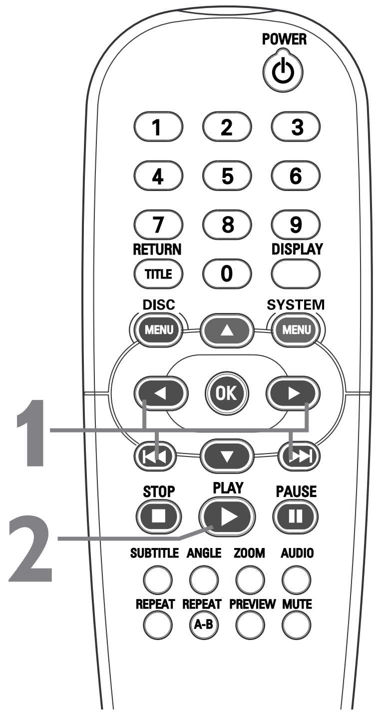


1 **During Disc playback, press ▼ to play the Disc forward** at 1/2, 1/4, 1/8, or 1/16 the normal speed. The sound will be mute during slow motion playback.
Or, press ▲ to play a DVD backward at 1/2, 1/4, 1/8, or 1/16 the normal speed. Slow reverse is not possible on Video CDs.

2 **To return to normal playback, press PLAY ▶.**

DVD | VIDEO CD | AUDIO CD

Fast Forward and Fast Reverse



1 **To fast forward a DVD or Video CD, press ▶** repeatedly to select two, four, eight, 16, or 32 times the normal speed. Or, **press and hold Next ▶▶|** until the Fast Forward icon shows on the TV. Then, **press Next ▶▶|** repeatedly to select different searching speeds. Sound will be mute.

Or, press ◀ repeatedly to play the DVD or Video CD backward at two, four, eight, 16, or 32 times the normal speed. **Or, press and hold Previous |◀◀** until the Fast Reverse icon shows on TV. **Then press Previous |◀◀** repeatedly to select different searching speeds. The sound will be mute.

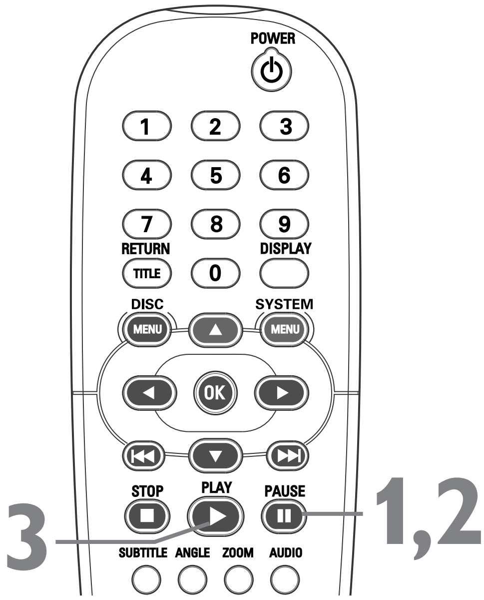
To fast forward an Audio CD at two, four, eight, 16, or 32 times the normal playback speed, **press ▶ repeatedly** during playback. **Or, press and hold Next ▶▶| for two seconds** to select a fast forward speed. Sound will be intermittent.

To fast reverse an Audio CD at two, four, eight, 16, or 32 times the normal speed, **press ◀ repeatedly** or **press and hold Previous |◀◀** for two seconds**.** Sound will be intermittent.

2 **To return to normal playback, press PLAY ▶.**

DVD | VIDEO CD

Still Picture/Frame-by-Frame Playback



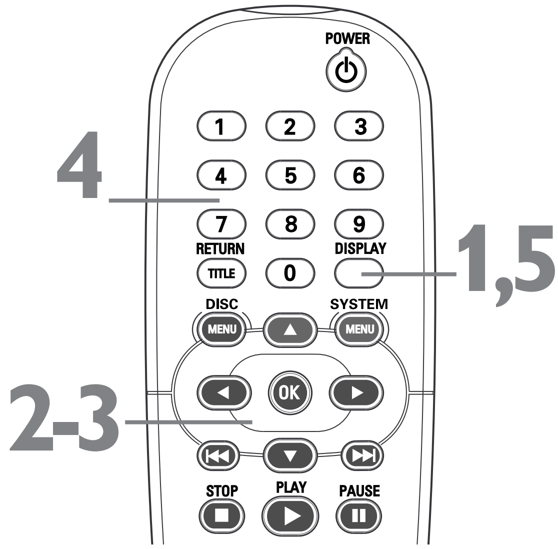
1 **To pause a DVD or Video CD picture, press PAUSE II on the remote control during playback.**

2 **Press PAUSE II repeatedly to advance the still picture one frame at a time.**

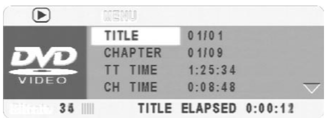
3 **Press PLAY ► to resume regular playback.**

DVD | VIDEO CD

Time Search



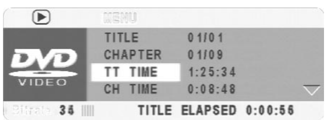
1 **Press DISPLAY during playback.** Current playback information will appear at the bottom of the TV screen.



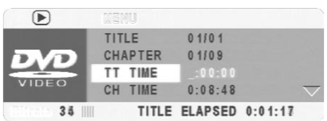
DVD example

2 **Press ▲ or ▼ to select TIME DISP. Press OK. Press ▲ or ▼ to highlight a display type** (see Helpful Hints)**, then press OK.** The selected display type and its counter will appear at the bottom of the display.

3 **Press ▲ or ▼ to select TT TIME or CH TIME (DVD), or DISC TIME (Video CD), for example.** This shows the total amount of time that the Title, Chapter, or Disc contains.



4 **Press OK to select the time counter beside TT TIME, CH TIME, or DISC TIME.**



5 **Press the Number buttons to enter the elapsed playing time at which you want to resume playback. (Press ◄ to quit and reselect TT TIME, CH TIME, or DISC TIME.)** Enter the time in hours, minutes, and seconds. Play will start at that point.

6 **Press DISPLAY to remove the display.**

Helpful Hints

- *If you pause a picture for more than five minutes, the screen saver will appear (if it is on). Details are on page 44.*
- *The following display types will be available, depending on the Disc in the Player.*
  CHAPTER ELAPSED - elapsed playing time of current Chapter;
  CHAPTER REMAIN - remaining playing time of current Chapter;
  TITLE ELAPSED - elapsed playing time of current Title;
  TITLE REMAIN - remaining playing time of current Title;
  TOTAL ELAPSED - elapsed playing time of current Disc;
  TOTAL REMAIN - remaining playing time of current Disc.
  SINGLE ELAPSED - elapsed playing time of current Track;
  SINGLE REMAIN - remaining playing time of current Track.

DVD | VIDEO CD

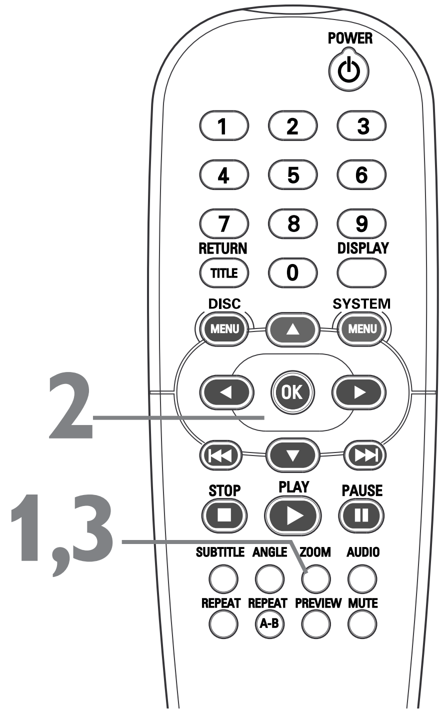
Zoom/Reduce

You can reduce or enlarge the video image during playback.

1 **Press ZOOM repeatedly during Disc playback** to make the picture two, three, or four times larger. Or, keep pressing ZOOM to reduce the picture to 1/2, 1/3, or 1/4 its normal size.

2 **Press ▲▼◀ ▶ to move around in the enlarged picture.** The blue box within a larger gray box that appears during zoomed play indicates the position of the zoomed area within the overall picture.

3 **To return the picture to regular size, press ZOOM** until the picture returns to its normal size.



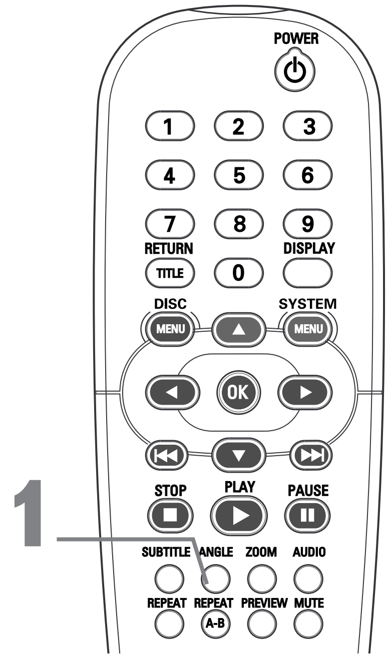
DVD

Camera Angle

Some DVDs include scenes recorded from different angles. To watch segments from a different angle, follow these steps. The DVD must have multiple angles available. Check the DVD Disc case or Disc menu for details and availability.

1 **During DVD playback, press the ANGLE button repeatedly to select a different angle.**

2 In a few seconds, playback changes to the selected angle. If multiple angles are not available, ∅ may appear in the top left corner of the TV screen when you press ANGLE.



Helpful Hints

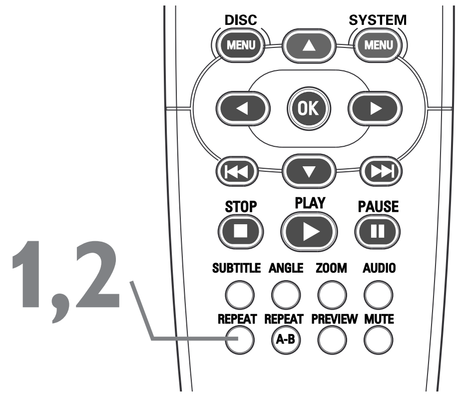
- *Zooming may not be possible on all DVDs.*
- *Zooming is not available on DVDs that have the PAL color system. Details are on page 7.*
- *You also can change Angles in the Display. During DVD play, press DISPLAY on the remote to access the Display screen. Press ▲ or ▼ to highlight ANGLE, then press OK. Use the Number buttons to choose an available angle. Press DISPLAY on the remote to remove the display. This feature is not available with all DVDs.*

24 Repeat/Shuffle, Repeat A-B

DVD | VIDEO CD | AUDIO CD

Repeat/Shuffle

You may play a Chapter, Track, Title, or entire Disc repeatedly.



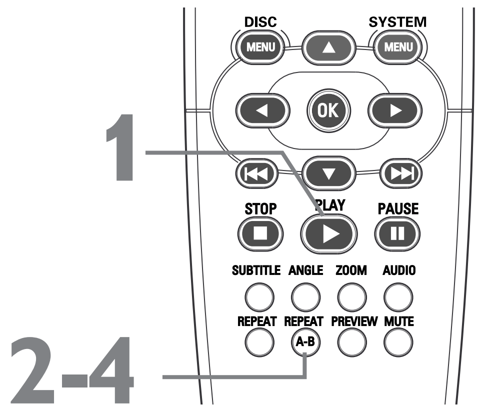
1 **During Disc playback, press REPEAT to choose a Repeat option.** Depending on the type of Disc, you may choose to play the Chapter, Track, Title, or ALL (Disc) repeatedly. Or, continue to press REPEAT to choose SHUFFLE or SHUFFLE REPEAT. The Tracks, Chapters, and/or Titles will play in random order (SHUFFLE) instead of the order recorded (1, 2, 3, etc.). If you choose SHUFFLE REPEAT, all the Tracks, Chapters, and/or Titles will play in random order repeatedly.

2 **To cancel repeat or shuffled playback, press REPEAT** until all the repeat and shuffle modes disappear from the TV screen.

DVD | VIDEO CD | AUDIO CD

Repeat A-B

You also may set the Player to play only a specific portion of a Disc repeatedly. Follow these steps.



1 **Press PLAY ► to start Disc playback.**

2 **When the Disc reaches the point at which you want repeated playback to begin, press REPEAT A-B.**

3 **When the Disc reaches the point at which you want to end the segment, press REPEAT A-B again.** The segment will begin playing repeatedly.
On a DVD, make sure the entire A-B segment is within a single Title. On a Video CD or Audio CD, the A-B segment should be within a single Track. If you do not enter the B setting before the end of the Title or Track is reached, Repeat A-B will be cancelled.

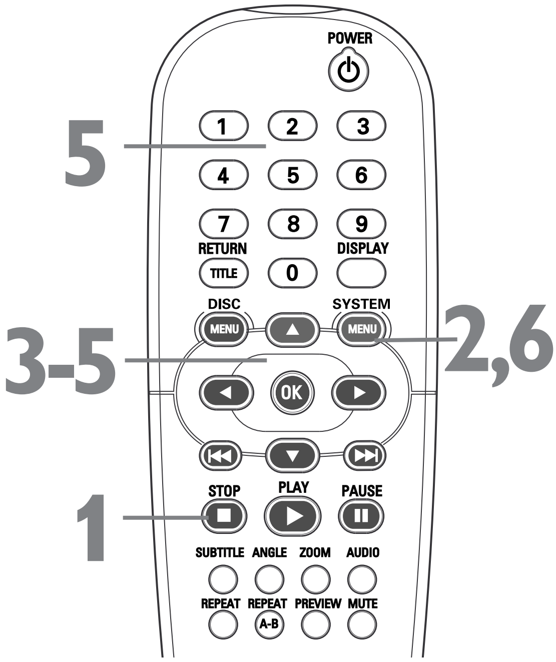
4 **To resume regular playback, press REPEAT A-B** until all the repeat modes disappear from the TV screen.

Helpful Hints

- *You cannot use the Number buttons to play a different Track or Chapter during Shuffled playback.*
- *If you press STOP ■ to stop repeat or shuffled play, when you resume playback, REPEAT or SHUFFLE will be cancelled. On an Audio CD, play will stop at the end of the current Track. When you start play again, play will start at the beginning of the Audio CD.*
- *You also can set up Repeat Play in the Display. During DVD or Video CD play, press DISPLAY on the remote to access the display screen. Press ▲ or ▼ to highlight REPEAT, then press OK. Press ▲ or ▼ to choose a Repeat mode, then press OK. Press DISPLAY on the remote to remove the display. This feature is not available with all Discs.*

DVD

Some DVDs are recorded in multiple languages; some may have extra audio options such as a director's commentary or a music soundtrack. You can choose the language or the soundtrack that you want to hear by adjusting AUDIO in the PREFERENCE PAGE. To do so, follow the steps below.
The easiest way to choose a different audio language or soundtrack is to press the AUDIO button on the remote during DVD playback. The audio will change to the language or soundtrack you select.



1 **Press STOP ■ *twice* to stop DVD playback.**

2 **Press SYSTEM MENU.**

3 **Press ▶ to select the PREFERENCE PAGE icon at the top of the menu, then press OK or ▼.** You can select PREFERENCE PAGE only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

4 AUDIO will be selected in green. **Press ▶.**



5 Language options will appear to the right of AUDIO. **Press ▲ or ▼ to choose the language you want, then press OK.** The selected language will be highlighted in brown.
You can only hear these languages if the language is recorded on the DVD.
If there is another language on the DVD that does not show in this AUDIO menu, choose OTHERS, then press OK. At the next screen, **press the Number buttons to enter the four-digit language code** for the language you want. ***Use the codes listed on page 49 of this manual.* Then, press OK.** The PREFERENCE PAGE menu will reappear with a different feature selected.



6 **Press SYSTEM MENU to remove the menus.**

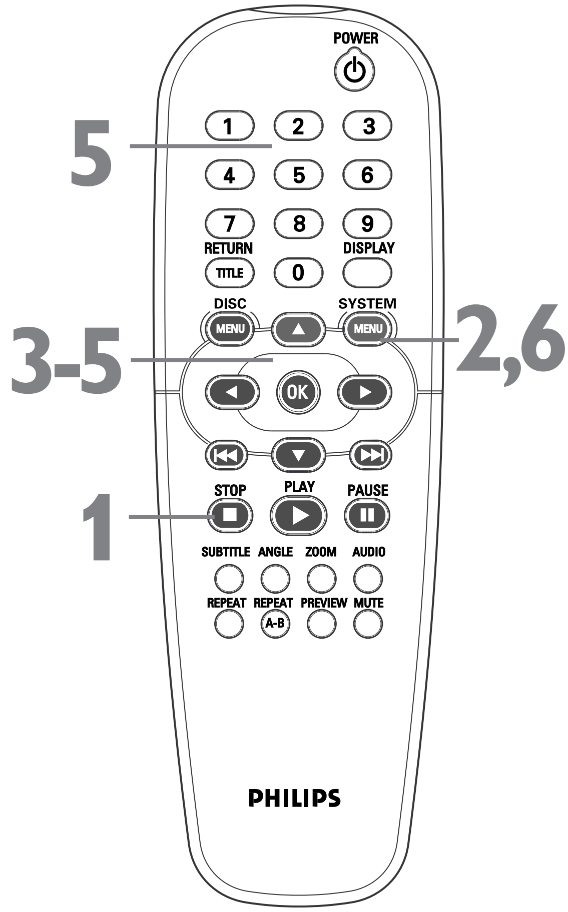
Helpful Hints

- *Some Audio CDs, Video CDs, or Super Video CDs are recorded on multiple audio channels. For example, a Karaoke Disc may record music on the left channel and vocals on the right channel. Press AUDIO during playback to choose which channels you want to hear. Options may include MONO LEFT, MONO RIGHT, MIX-MONO, or STEREO. Check your Disc case for details.*
  If DIGITAL OUTPUT is set to ALL, you may not be able to select MONO LEFT or MONO RIGHT. Details are on page 40.
- *If adjusting the Audio language as described on this page does not change the Audio, change the settings in the DVD's Disc menu or by pressing the AUDIO button repeatedly during DVD playback. Make sure the language you want is available on the current DVD.*
- *When you press STOP twice to stop playback and adjust AUDIO, this cancels the Resume feature. When you play the DVD again, playback starts at the beginning of the DVD.*
- *You also can change the Audio in the Display. During playback, press DISPLAY on the remote to access the display screen. Press ▲ or ▼ to highlight AUDIO, then press OK. Press ▲ or ▼ to choose an audio option, then press OK. Press DISPLAY on the remote to remove the display. This feature is not available with all DVDs.*

26 DVD Subtitle Language

DVD

Some DVDs include subtitles. Choose the language you want for available subtitles by adjusting SUBTITLE in the PREFERENCE PAGE. To do so, follow the steps below.
Or, the easiest way to choose subtitles is to press the SUBTITLE button on the remote repeatedly during DVD playback. The subtitles will appear in the language you select.



1 **Press STOP ■ *twice* to stop DVD playback.**

2 **Press SYSTEM MENU.**

3 **Press ▶ to select the PREFERENCE PAGE icon at the top of the menu, then press OK or ▼.** You can select PREFERENCE PAGE only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

4 **Press ▼ to select SUBTITLE, then press ▶.**



5 Language options will appear to the right of SUBTITLE. **Press ▲ or ▼ to choose the language in which you want subtitles to appear. Then, press OK.** The selected language will be highlighted in brown.
You can see subtitles in these languages only if available on the current DVD. Check the DVD case for details on available subtitle languages.
If there is a subtitle language on the DVD that does not show in the Player's SUBTITLE menu, choose OTHERS and press OK.
At the next screen, **press the Number buttons to enter the four-digit language code** for the language you want. ***Use the codes listed on page 49 of this manual.* Then, press OK.** The PREFERENCE PAGE menu will reappear with a different feature selected.



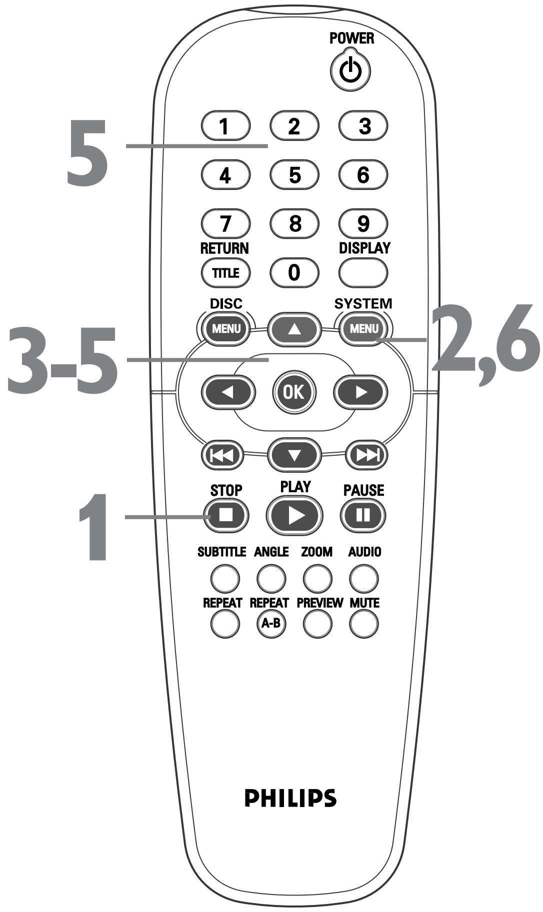
6 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *Some DVDs only allow you to choose Subtitle languages in the DVD Disc menu. If adjusting the Subtitle language as described on this page does not change the Subtitles during DVD playback, change the settings in the DVD's Disc menu or by pressing the SUBTITLE button repeatedly during DVD playback. Make sure the language you want is available on the current DVD.*
- *When you press STOP ■ twice to stop playback and adjust SUBTITLE, this cancels the Resume feature. When you start to play the DVD again, playback automatically starts at the beginning of the DVD.*
- *You also can change the Subtitle in the Display. During playback, press DISPLAY on the remote to access the display screen. Press ▲ or ▼ to highlight SUBTITLE, then press OK. Press ▲ or ▼ to choose a subtitle language, then press OK. Press DISPLAY on the remote to remove the display. This feature is not available with all DVDs.*

DVD

DVDs have a Disc menu that allows you to choose options such as Audio Language, Subtitles, or other special features. Features vary among DVDs, so the menus are different for every DVD.
Some menus may be available in multiple languages. To choose a language for a Disc menu using the PREFERENCE PAGE, follow these steps.



1 **Press STOP ■ *twice* to stop DVD playback.**

2 **Press SYSTEM MENU.**

3 **Press ▶ to select the PREFERENCE PAGE icon at the top of the menu, then press OK or ▼.** You can select PREFERENCE PAGE only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

4 **Press ▼ to select DISC MENU, then press ▶.**



5 Language options will appear to the right of DISC MENU. **Press ▲ or ▼ to choose the language in which you want the DVD Disc menu to appear. Then, press OK.** The selected language will be highlighted in brown.
You can see Disc menus in these languages only if available on the current DVD. Check the DVD case for details on available menu languages.
If there is a menu language on the DVD that does not show in the Player's DISC MENU list, choose OTHERS and press OK.
At the next screen, **press the Number buttons to enter the four-digit language code** for the language you want. ***Use the codes listed on page 49 of this manual.* Then, press OK.** The PREFERENCE PAGE menu will reappear with a different feature selected.



6 **Press SYSTEM MENU to remove the menus.**

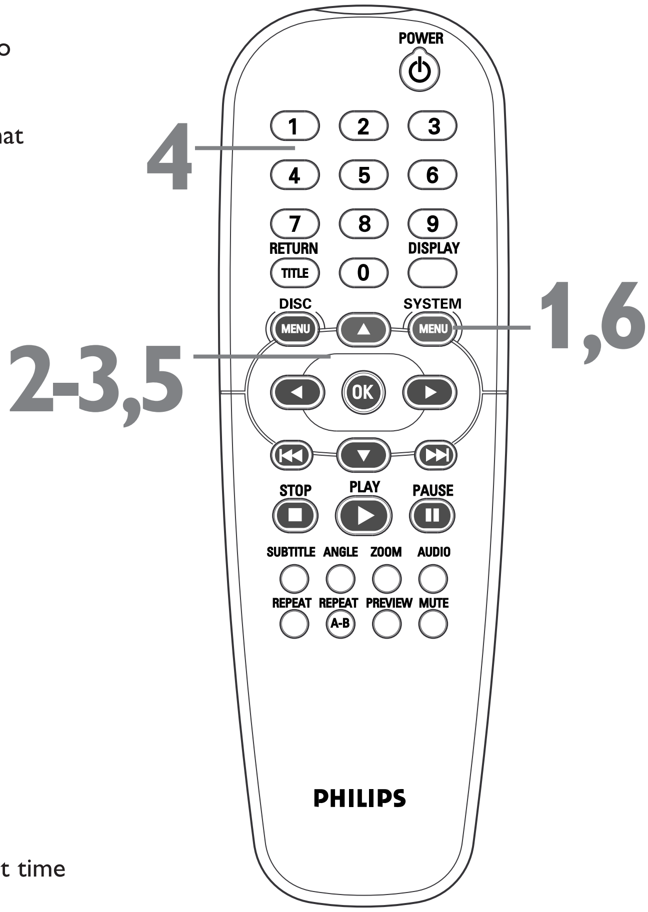
Helpful Hints

- *If adjusting the Disc menu language as described on this page does not change the language as you preferred, change the settings in the DVD's Disc menu. Make sure the language you want is available on the current DVD.*
- *When you press STOP ■ twice to stop DVD playback so you can adjust DISC MENU, play automatically starts at the beginning of the DVD when you start play again.*

28 Parental Password

DVD

The PARENTAL feature limits viewing of DVDs. You need a password to change the PARENTAL settings or to play Locked Discs. To set your password, follow the steps below.
To adjust the PARENTAL level so DVDs cannot play if they exceed that level, see page 30.
To prevent specific DVDs from playing, regardless of how you set the PARENTAL level, see page 29.



1 **Press SYSTEM MENU.**

2 **Press ▶ to select the PASSWORD SETUP PAGE icon at the top of the menu, then press OK or ▼.** PASSWORD will be highlighted in green.

3 **Press ▶ to highlight CHANGE in green. Then press OK.**



4 **Press the Number buttons to enter your old six-digit password in the OLD PASSWORD box.** (If this is the first time you have set a password, you may not have to enter an OLD PASSWORD. The numbers you enter may go into the NEW PASSWORD box instead.) The box beside NEW PASSWORD will be selected next automatically. **Press the Number buttons to enter a new six-digit password of your choice.** The box beside CONFIRM PWD will be selected next automatically. **Press the Number buttons to enter the same new six-digit password** you just entered for the NEW PASSWORD.



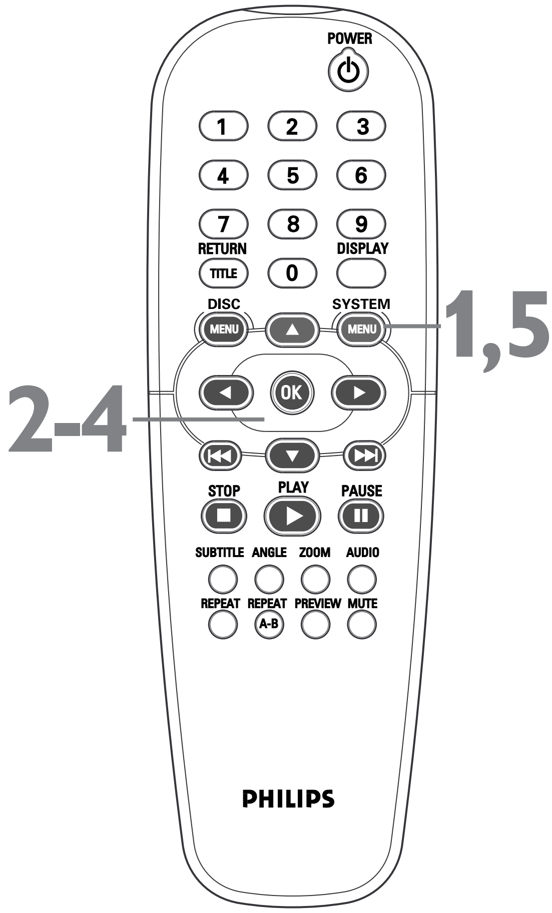
5 **Press OK to save the new password.** The previous menu will appear.

6 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *The default or factory preset password is 842100. You can use it to play a Locked Disc or enter it as the old password. The 842100 password is acceptable even after you set your own personal password.*
- *Philips denies any liability associated with unintended watching of Discs. Make sure your Discs play according to your PARENTAL settings before you allow children access to the Player.*
- *Your password must have exactly six digits. A series of Xs will appear instead of your actual password to protect the password's identity.*

Not all DVDs are rated or coded by the Disc maker. You can specifically lock or unlock a DVD, regardless of its rating. If you lock a specific DVD, you must enter your password before you can watch the DVD. *Password details are on page 28.*



1 **Press SYSTEM MENU.**

2 **The** GENERAL SETUP PAGE icon will be selected. **Press OK or ▼.**

3 **Press ▼ to highlight DISC LOCK in green, then press ▶.**



4 **Press ▲ or ▼ to select UNLOCK or LOCK, then press OK.** Your selection will be highlighted in brown. If you choose UNLOCK, the DVD that is currently in the DVD Player will be unlocked for future viewing. You can view the Disc without having to enter your six-digit password.
If you choose LOCK, the DVD that is currently in the DVD Player cannot play unless you enter your six-digit password. PLEASE ENTER PASSWORD will appear on the TV screen to prompt you to enter your password. Press the Number buttons to enter your password, then press OK. Your password will not appear on the TV screen. This protects its identity. *Password details are on page 28.*

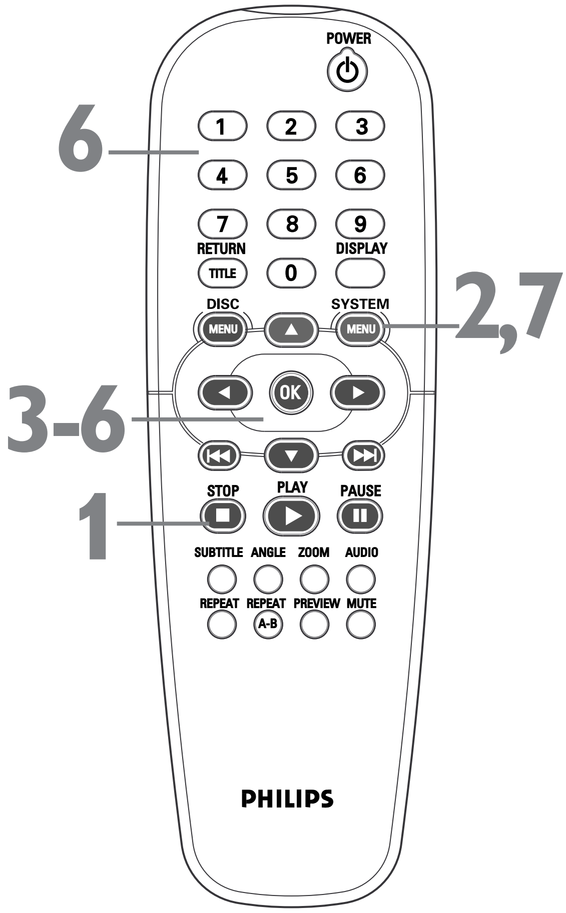
5 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *Two-sided DVDs may have a different ID for each side. To unlock the entire Disc, unlock each side.*
- *Multi-volume Video CDs or DVD sets may have a different ID for each volume or Disc. To unlock the set, unlock each volume or Disc.*
- *Once you enter your password to play a Locked Disc, you can stop and resume playback without reentering the password every time you resume play. However, if you open the disc tray or turn off the DVD Player, you will have to enter the password to play the Disc again.*
- *You cannot select DISC LOCK if there is no Disc in the Player.*

Parental Levels

You can set the Player to block or allow playback according to the DVD movie rating. Some DVDs may give you the option of entering your password to allow playback. If not, change the PARENTAL setting so you can watch the Disc.
Not all DVDs conform to the levels you select, as not all DVDs are coded or protected by the DVD manufacturer. Therefore, make sure the DVD plays according to your PARENTAL setting before you allow children unlimited access to the Player or DVDs.
To prevent specific DVDs from playing, regardless of how you set the PARENTAL level, see page 29.

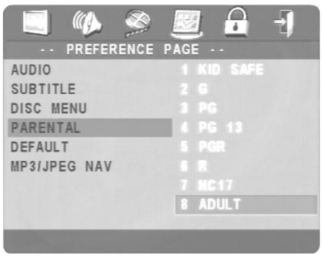


1 **Press STOP ■ *twice* to stop DVD playback.**

2 **Press SYSTEM MENU.**

3 **Press ▶ to select the PREFERENCE PAGE icon at the top of the menu, then press OK or ▼.** You can select PREFERENCE PAGE only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

4 **Press ▼ to select PARENTAL, then press ▶.**



5 **Press ▲ or ▼ to choose the Parental level at which you want to restrict playback, then press OK.**
For example, if you do not want children to watch movies rated above PG, select 3 PG. DVDs rated PG can play without entering a password; however, DVDs rated PG-13, R, NC-17, or X (ADULT) cannot play unless you enter your password.

RATING EXPLANATIONS
- ADULT - Mature material; should be viewed only by adults due to graphic sexual material, violence, or language.
- NC-17 - No children under age 17; not recommended viewing for children under age 17.
- R - Restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
- PGR - Parental Guidance Required
- PG 13 - Material is unsuitable for children under age 13.
- PG - Parental Guidance suggested.
- G - General Audience; recommended as acceptable for viewers of all ages.
- KID SAFE - Safe for children to view

6 A screen will prompt you to enter your password. **Press the Number buttons to enter your six-digit password, then press OK.** The Parental settings will reappear, with the level you selected highlighted in brown. Your password will not appear on the TV screen, but Xs will show as you enter each digit. *Password details are on page 28.*

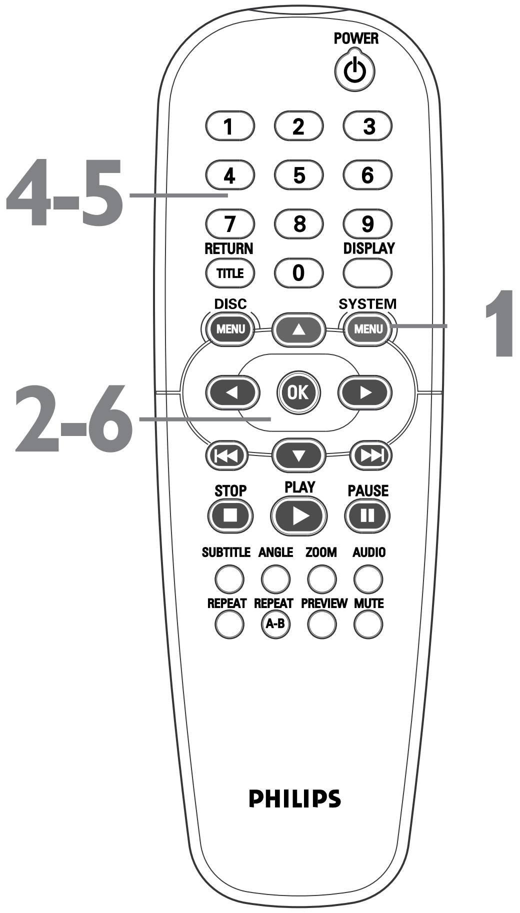
7 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *When you press STOP ■ twice to stop DVD play so you can adjust the PARENTAL level, play starts at the beginning of the DVD when you resume play.*
- *The PARENTAL settings do not affect Video CDs, Super Video CDs, or Audio CDs. PARENTAL only affects DVD playback.*

DVD | AUDIO CD | VIDEO CD

You may play Tracks or Chapters in an order you specify instead of normal order (1, 2, 3, etc.). The order you set is a Program. For example, if you want to set up an Audio CD so Track 12 will play first, put Track 12 in Program position number one (1).
To set up a Program, follow these steps.



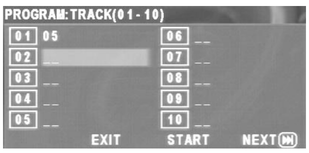
1 **Press SYSTEM MENU.**

2 The GENERAL SETUP PAGE icon will be selected. **Press OK or ▼.**

3 **Press ▼ to select PROGRAM.**



4 **Press ▶ to select INPUT MENU, then press OK.** The PROGRAM menu will appear. This is where you enter the Track/Chapter numbers in the order in which you want to play them. The Number 1 space will be selected automatically as your starting point.
While the Number 1 space is highlighted, press the Number buttons to enter the Title and/or Chapter/Track number you want to play first. The number of available Titles, Chapters, or Tracks will appear at the top of the screen.



Audio CD example

5 **Use the Number buttons on the remote to enter other Titles/Chapters/Tracks. Use the ▲ ▼ ◀ ▶ buttons to move to other Program positions. Repeat this process to fill the Program.**
If you enter an incorrect Title/Chapter/Track number, press ▲▼ ◀ ▶ to select the Program position. Use the Number buttons to reenter the correct Title/Chapter/Track number.
To delete an item from the Program, use the ▲ ▼ ◀ ▶ buttons to select it. Then press OK or PLAY ▶ to erase the item.

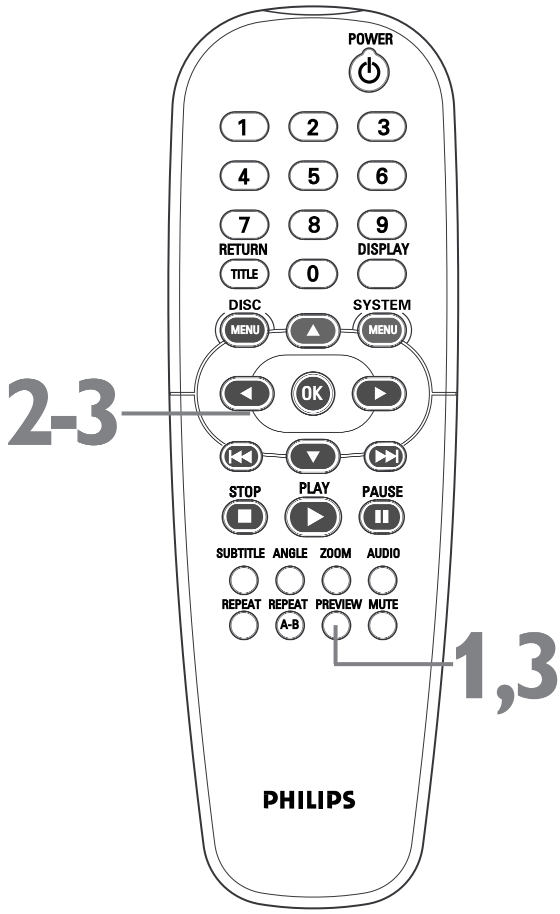
6 **When you have entered all the items you want, press ▼, ◀, and/or ▶ to select START at the bottom of the screen. Then, press OK.** This will store the Tracks in the Program. The Program will start playing automatically. You can start playing a Program only from the Program menu.
To resume normal playback, press STOP ■ twice to stop playing the Program. Press PLAY ▶ to start play at the beginning of the Disc.

Helpful Hints

- *To access other Program pages, press Previous |◀◀ or Next ▶▶| .*
- *To stop entering Tracks in the Program, press ▼ and ◀ to select EXIT at the bottom of the screen, then press OK. The Disc will resume play in normal order.*
- *The Program will accept a Title/Chapter/Track number only if it is on the current Disc.*
- *You cannot select PROGRAM if there is no Disc in the Player.*
- *A Program can have up to 20 Tracks/Chapters.*
- *PROGRAM will appear in the top left corner of the TV screen during DVD or Video CD programmed play. You cannot remove it.*

VIDEO CD

Some Video CDs or Super Video CDs may contain preview or introductory information. If you are not sure of the contents of a Video CD or its Tracks, use the Preview features to see the content of the Tracks. Not all Video CDs contain this information. See your Disc case for details.



1 **Press the PREVIEW button** to see the Preview menu.

```
SELECT DIGEST TYPE:
TRACK DIGEST
DISC INTERVAL
TRACK INTERVAL
```

2 **Press ▲ or ▼ to select TRACK DIGEST, DISC INTERVAL, or TRACK INTERVAL, then press OK.**

• **If you select TRACK DIGEST,** the first five seconds of each Track will play. This introduces you to the contents of each Track on the Disc.

To play a certain Track, press ▲ to go to the SELECT line in the display at the bottom of the TV screen. Press the Number buttons to enter the Track you want. Then, press OK to start playback.

```
TYPE: TRACK
SELECT    (01-09) : [ - - ]
          EXIT      MENU
```

Six Tracks will show on one screen. To see other Tracks, press Previous I◀◀ or Next ▶▶I on the remote.

• **If you select DISC INTERVAL,** the Disc contents will be divided into six segments. This helps you preview the contents of the entire Disc. To start playing the Disc from a certain interval, press ▲ to go to the SELECT line in the display at the bottom of the screen. Press the Number buttons to choose a segment (1-6), then press OK to start play from that point.

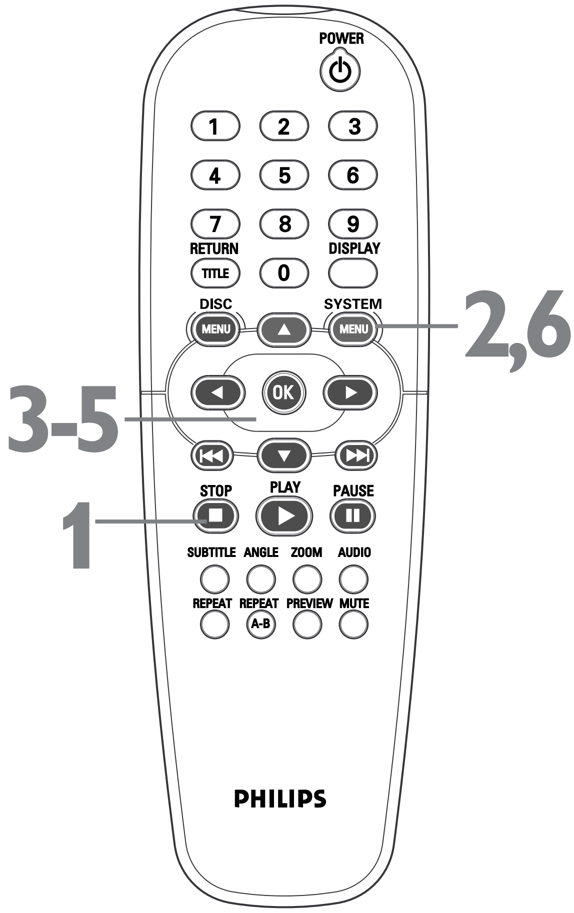
```
TYPE: DISC INTERVAL
SELECT    (01-06) : [ - - ]
          EXIT      MENU
```

• **If you select TRACK INTERVAL,** the current Track will be divided into six parts. This helps you see the contents of the current Track. To play the Track from a certain interval, press ▲ to go to the SELECT line. Press the Number buttons (1-6) to choose a segment, then press OK to start play from that point.

```
TYPE: TRACK 01 INTERVAL
SELECT    (01-06) : [ - - ]
          EXIT      MENU
```

3 **To remove the PREVIEW menus, press PREVIEW again or press ▼ and/or ◀ to choose EXIT, then press OK.**
To go to the first main PREVIEW screen, press ▼ and/or ▶ to select MENU, then press OK.

This DVD Player can play some Compact Disc-Recordable (CD-R) discs that you record on your computer. These CD-Rs may contain pictures in a JPEG format or audio files/tracks in an MP3 format. For example, you may have photographic film developed by a retailer that places the pictures on a CD-R for you. These pictures may be in JPEG format. Or, you may copy or download MP3 music files from certain legal Internet sites, then copy those files onto a CD-R. (You cannot make or record such CD-Rs using this DVD Player. See your computer manual for details on making CD-R recordings.)
If you are playing a CD-R on this Player and the CD-R contains JPEG or MP3 files, you may want to access the CD-R menu using Navigator.



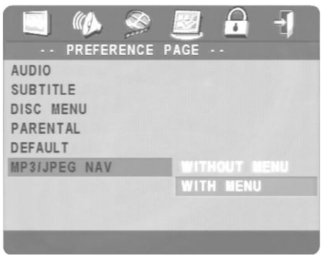
1 **Press STOP ■ during MP3 playback or press DISC MENU during JPEG playback to stop Disc playback completely.**

2 **Press SYSTEM MENU.**

3 **Press ▶ to select the PREFERENCE PAGE icon at the top of the menu, then press OK or ▼.**

4 **Press ▼ to select MP3/JPEG NAV (Navigator), then press ▶.**

5 **Press ▲ or ▼ to select WITHOUT MENU or WITH MENU, then press OK.** Your selection will be highlighted in brown. If you select WITHOUT MENU, Tracks play in order (1-2-3) regardless of MP3/JPEG NAV setting. If you select WITH MENU, all Folders and Individual Tracks show in the menu when play is stopped.



6 **Press SYSTEM MENU to remove the menus.**

General Information on CD-R and CD-RWs

- When you make CDs to play on this DVD Player, the Disc should have at least 6-10 pictures or 2-3 MP3 music files. Make sure there are at least 3 MB (three megabytes) of information on the Disc. The maximum number of files per folder is 500.

- JPEG file names should end with the ".jpg" extension.

- To select a JPEG or MP3 file for playback, press the Number buttons to select an item, then press OK. Or, press ▲ or ▼ to select an item, then press OK.

JPEG features

- Press ▲ or ▼ to highlight an item in the Disc's menu, then the picture will be previewed on the right side of the menu.

- While playback is stopped, you will see miniature images of the pictures. A maximum of 12 images will appear. Press Previous I◄◄ or Next ►►I to see the other pictures on the Disc.

- Press ZOOM to enlarge a JPEG image. Press ▲, ▼, ◄, or ► to move or pan through the picture.

- When play is stopped, press ▼ and ◄ to select the filmstrip icon at the bottom of the screen, then press OK. This will start play at the first picture on the current page.

- During JPEG playback, press ▲, ▼, ◄, or ► to flip or rotate the image.

- Press the ANGLE button repeatedly during playback to determine how the images will progress or "scan" in and out.

Repeat/Shuffle

- During JPEG play, press REPEAT to choose:
  REPEAT ONE - Keep the current JPEG image still on the screen.
  REPEAT ALL - Play all files on the Disc repeatedly.
  SHUFFLE - Play files in random order.
  REPEAT OFF - Cancel all repeat options and resume normal playback.
- While the menu is on the screen, press REPEAT to choose:
  FOLDER - All file in the current folder will play once.
  REPEAT ONE - Keep a JPEG image still on the screen or plays an MP3 file repeatedly.
  REPEAT FOLDER - Play files in the selected folder repeatedly.
  SHUFFLE - Play files in random order.

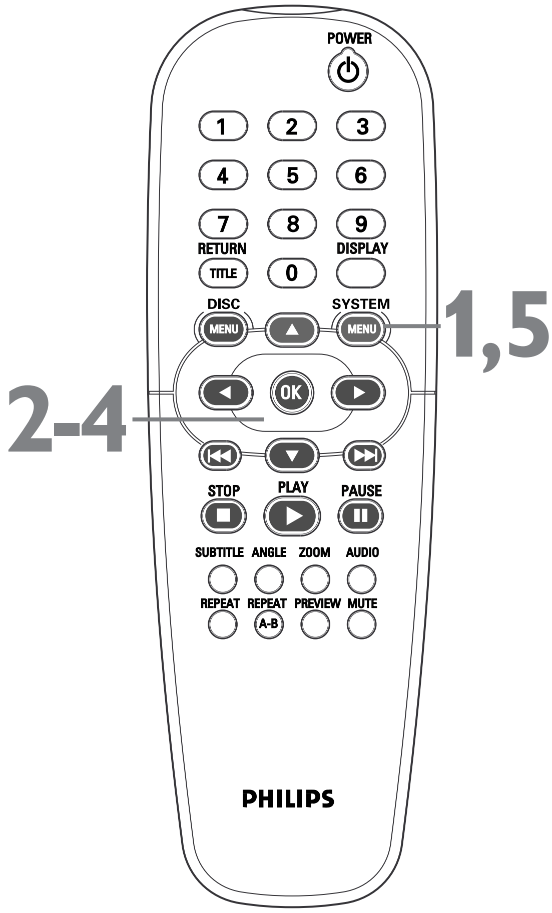
MP3 Program

1. While the Disc menu is on the screen and play is stopped, press ◄ to switch into the FILELIST. FILELIST will flash briefly at the bottom of the screen.
2. Press ▲ or ▼ to choose a Track to add to the playlist, then press ►. ADD TO PLAYLIST will appear briefly at the bottom of the screen. (To remove an item from the Program, press ◄ to go to the PLAYLIST. Press ▲ or ▼ to choose the item, then press ► to remove it. REMOVE FROM PLAYLIST will appear briefly at the bottom of the screen.) The maximum number of files for a Program is 100.
3. To play the Program, press ▲ or ▼ to select any item in the PLAYLIST, then press OK to start playing the Program from that point.

Playing MP3 and JPEG files simultaneously "Setting your pictures to music"

1. Start playing the MP3 file as described above.
2. Select a JPEG for playback as described above.
3. To stop simultaneous playback, press DISC MENU to stop JPEG playback. Then press STOP ■ to stop MP3 playback.

You may set the DVD Player to display video in one of three formats: Letter Box, Pan & Scan, or Widescreen (16:9). To choose a format, follow these steps. The format you select must be available on the DVD. If it is not, the settings for TV DISPLAY will not affect the picture during DVD playback.

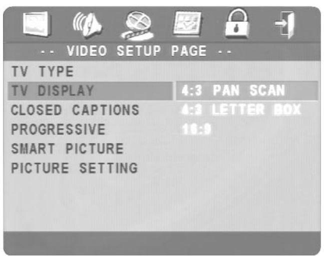


1 **Press SYSTEM MENU.**

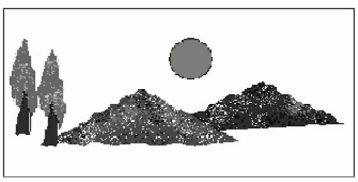
2 **Press ▶ to select the VIDEO SETUP PAGE icon at the top of the menu, then press OK or ▼.**

3 **Press ▼ to select TV DISPLAY. Then press ▶.**

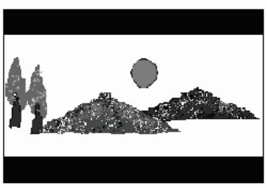
4 **Press ▲ or ▼ to select 4:3 PAN SCAN, 4:3 LETTER BOX, or 16:9 (widescreen), then press OK.** Your selection will be highlighted in brown.
Select 4:3 PAN SCAN if you want the picture to be trimmed or formatted to fit your TV screen. This setting is possible only if the DVD is recorded in pan & scan or regular format. Check the Disc case for details.
Select 4:3 LETTER BOX if you want to see the entire, widened picture with black bars at the top and bottom of the screen. This looks like the picture you see when watching movies in a theater. This setting is possible only if the DVD was recorded in the letterbox or widescreen format. Check the Disc case for details.
Select 16:9 (widescreen) if you connected the DVD Player to a widescreen TV.



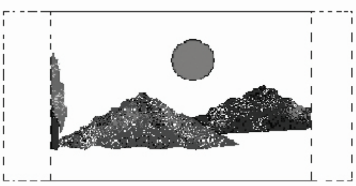
5 **Press SYSTEM MENU to remove the menus.**



16:9 (Widescreen TV)



4:3 LETTER BOX

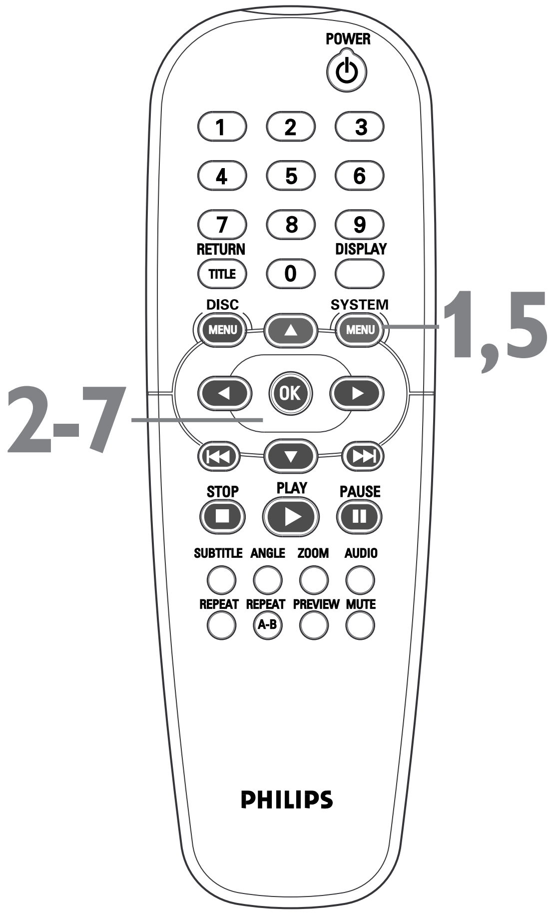


4:3 PAN SCAN

Helpful Hints

- *DVDs only play in the format in which they were recorded. For example, if the DVD case says the DVD is recorded in Letterbox or Widescreen format, you may play the DVD only with the black bars showing at the top and bottom of the widened picture. Even if you set TV DISPLAY to 4:3 PAN SCAN, the picture will show in the widened format.*
- *Some widescreen TVs may show only part of the DVD Player's menu. Adjust the screen mode on your TV. See your TV owner's manual for details.*

Just as you can adjust your picture on your TV, you can adjust some picture elements at the DVD Player. Choose a picture setting that best displays the Disc you are playing. This feature is known as Smart Picture and can be adjusted by following these steps.

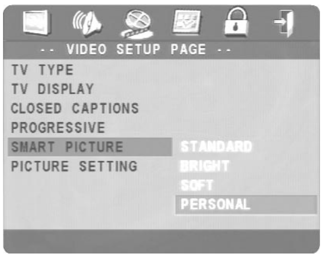


1 **Press SYSTEM MENU.**

2 **Press ▶ to select the VIDEO SETUP PAGE icon at the top of the menu, then press OK or ▼.**

3 **Press ▼ to select SMART PICTURE. Press ▶.**

4 **Press ▲ or ▼ to select STANDARD, BRIGHT, SOFT, or PERSONAL, then press OK.** Your selection will be highlighted in brown.



5 **If you selected BRIGHT, STANDARD, or SOFT, you are finished. Press SYSTEM MENU to remove the menus.** You may want to play a Disc for a few minutes in each setting to decide which you prefer.

If you selected PERSONAL, you can adjust specific picture elements for your preference. Go to step 6 to adjust these items.

6 SMART PICTURE will be highlighted in green. **Press ▼ to select PICTURE SETTING, then press OK.**

7 **Press ▲ or ▼ to select BRIGHTNESS, CONTRAST, TINT, or COLOR, then press ▶.**



8 An adjustment scale will appear on the TV screen. **Press ◀ or ▶ to adjust** the element you selected.

• For BRIGHTNESS, choosing a more positive value brightens the color on the screen and seems to add white to the picture. Choosing a more negative value darkens the colors in the picture. Choose zero (0) for the average setting.

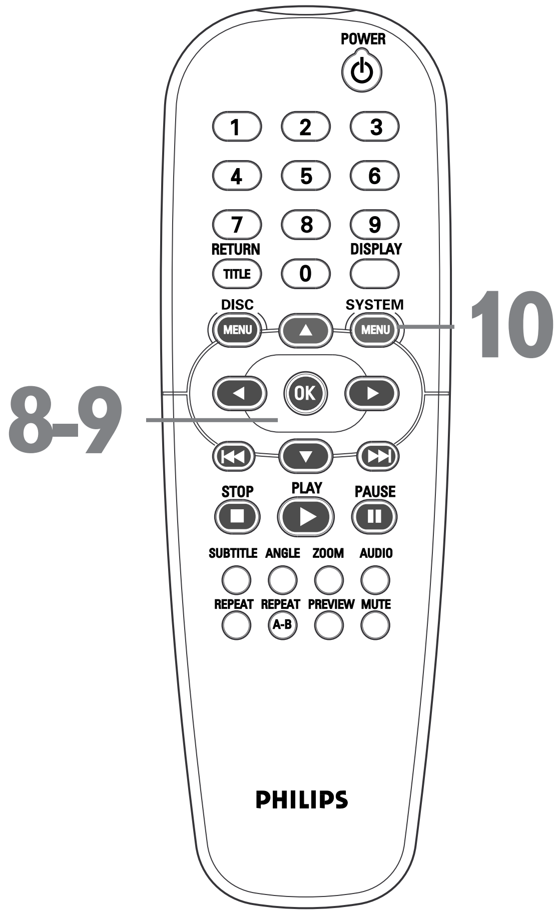
• For CONTRAST, choosing a more positive value adds more noticeable difference between the black and white in your picture and sharpens the picture. Choose a more negative CONTRAST value to blur the distinction between black and white in the picture. The picture will not seem as sharp.

• For TINT, choose a more positive value to add red to the picture. Choose a negative value to add yellow to the picture. Choose zero (0) to balance the reds and yellows in the picture. You can adjust TINT when you need people's skin tones to look more natural.

• For COLOR, choose a more positive value to increase the color in your picture. To decrease the color in the picture, choose a more negative value. As you decrease the COLOR, the picture becomes more black and white. Choose zero (0) to balance the color.

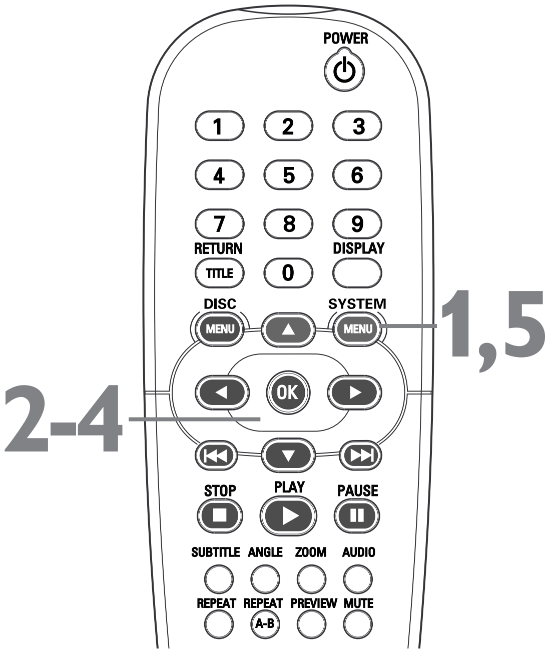
9 **Press OK to save the setting and return to the PICTURE SETTING menu. Repeat steps 7-8 as necessary to adjust all the elements you want.**

10 **When you are finished, press SYSTEM MENU.**



TV Type

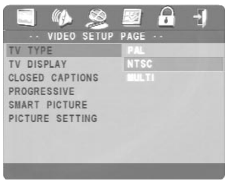
DVDs are recorded in a color system, usually NTSC or PAL. NTSC is the most common in the United States. Your TV also has a color system. This Player is compatible with NTSC and PAL. However, the color system of the DVD, the TV, and the Player should match. If all three are not the same, the DVD may play in only black and white, the picture may roll continuously, or the picture may appear distorted. TV TYPE lets you set the Player to match the color systems of your DVDs and your TV.



1 **Press SYSTEM MENU.**

2 **Press ▶ to select the VIDEO SETUP PAGE icon at the top of the menu, then press OK or ▼.**

3 TV TYPE will be highlighted in green. **Press ▶.**

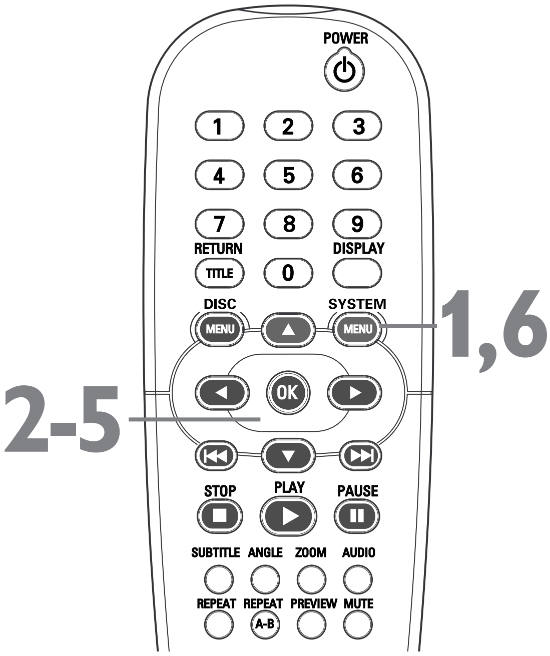


4 **Press ▲ or ▼ to select MULTI, NTSC, or PAL, then press OK.** Your selection will be highlighted in brown. Choose NTSC if your TV is NTSC-compatible and your DVDs are recorded in NTSC. Choose PAL if your TV is PAL-compatible and your DVDs are recorded in PAL. Choose MULTI if your TV is compatible with both NTSC and PAL and you want the DVD Player to automatically select the color system of the current DVD.

5 **Press SYSTEM MENU to remove the menus.**

Progressive Scan

If you connected the Player to a TV using the Y Pb Pr jacks and your TV has Progressive Scan, set PROGRESSIVE to ON. Otherwise, set PROGRESSIVE to OFF.

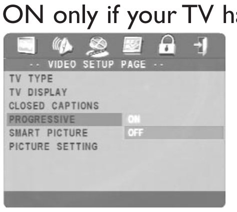


1 **Press SYSTEM MENU.**

2 **Press ▶ to select the VIDEO SETUP PAGE icon, then press OK or ▼.**

3 **Press ▼ to select PROGRESSIVE, then press ▶.**

4 **Press ▲ or ▼ to choose ON or OFF, then press OK.** Choose ON only if your TV has Progressive Scan.



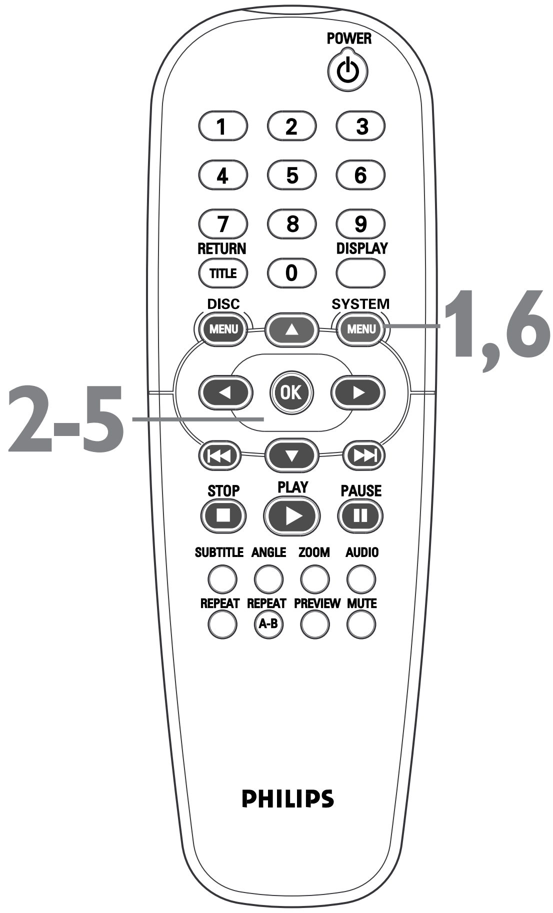
5 A message will ask you to verify your hookups and the availability of Progressive Scan. **Press ▶ or ◀ to choose OK, then press OK on the remote.**
If Progressive Scan is not detected, the VIDEO SETUP PAGE will reappear. Set PROGRESSIVE to OFF.
Or, if you realize you do not have Progressive Scan, choose CANCEL and press OK. Set PROGRESSIVE to OFF.

6 **Press SYSTEM MENU to remove the menus.**

Helpful Hint

- *Your DVD must be recorded in NTSC or PAL. Discs recorded in other color systems will not play on this Player. Check the Disc case for details. NTSC or PAL may appear on the inside ring of the DVD.*

Use the ANALOG AUDIO SETUP PAGE to adjust some of the Player's audio settings.
Adjust DOWNMIX according to how you connected the Player to your TV and/or Stereo. Balance the volume during playback by adjusting Dynamic Range Control (D.R.C.).



1 **Press SYSTEM MENU.**

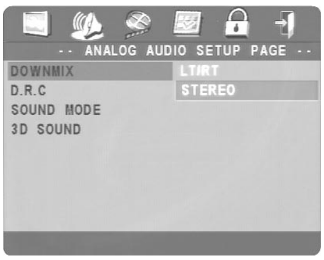
2 **Press ▶ to select the AUDIO SETUP PAGE icon at the top of the menu. Press OK or ▼.**

3 ANALOG AUDIO SETUP will be highlighted. **Press OK.**

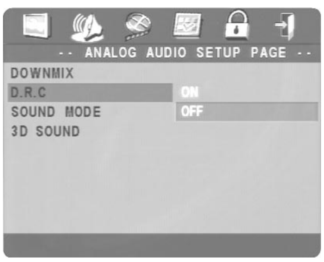


4 **Press ▲ or ▼ to select DOWNMIX or D.R.C., then press ▶ and follow step 5 according to your choice.**

5 **• If you selected DOWNMIX, press ▲ or ▼ to select LT/RT (left/right) or STEREO, then press OK.** Your selection will be highlighted in brown. Choose LT/RT if you connected the Player to a stereo that has Dolby Pro Logic. *Details are on page 14.* Select STEREO if you connected the Player to a TV or Stereo that has left and right Audio In jacks but does not have Dolby Pro Logic.



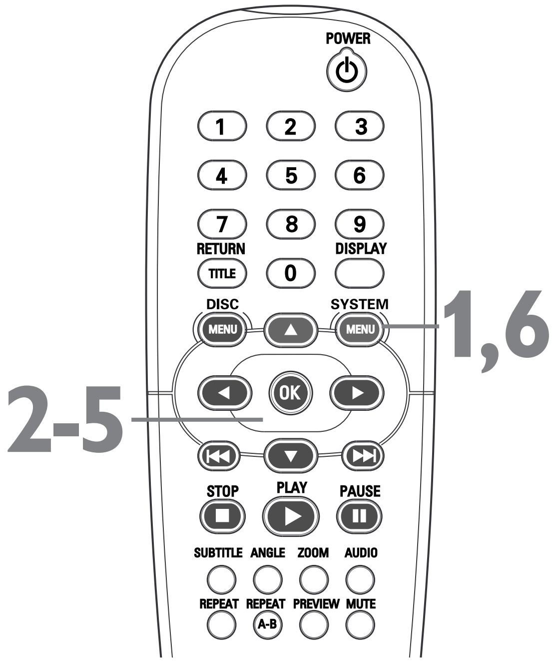
• If you selected D.R.C., press ▲ or ▼ to select ON or OFF, then press OK. Your selection will be highlighted in brown. To level the volume during Disc playback, choose ON. There will not be such a large range between the loudest and softest parts of the sound. To hear the highs and lows of the volume, set D.R.C. to OFF.



6 **Press SYSTEM MENU to remove the menus.**

Digital Output

If you connected the Player to a Stereo using the COAXIAL jack as shown on page 15, adjust DIGITAL OUTPUT (audio) as described below. If you are not using the COAXIAL jack, no adjustment is necessary.



1 **Press SYSTEM MENU.**

2 **Press ▶ to select the AUDIO SETUP PAGE icon at the top of the menu. Press OK or ▼.**

3 **Press ▼ to select DIGITAL AUDIO SETUP, then press OK.**

4 **DIGITAL OUTPUT** will be highlighted in green. **Press ▶.**

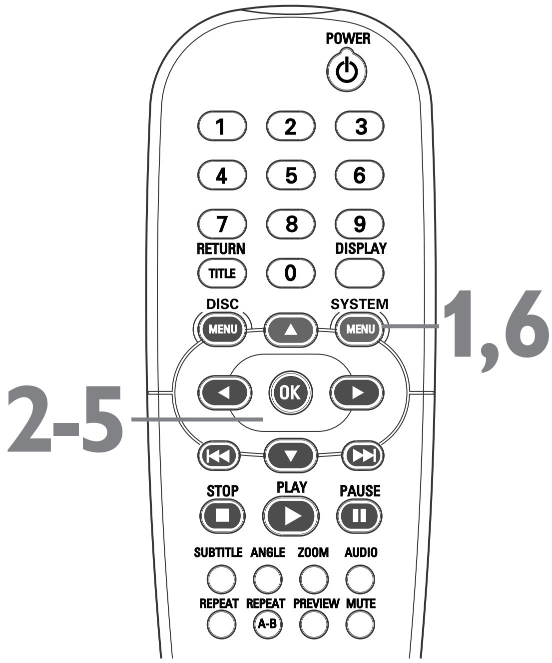
5 **Press ▲ or ▼ to select ALL or PCM ONLY, then press OK.**
Your selection will be highlighted in brown.
Choose ALL to select the original default audio settings as received by most Stereos.
If the sound is distorted, your Stereo may need to receive audio in the PCM format (pulse code modulation, contains only left and right audio signals). Choose PCM ONLY if your Stereo is PCM-compatible or cannot decode MPEG-2 audio. Refer to your Stereo owner's manual for details.



6 **Press SYSTEM MENU to remove the menus.**

LPCM Output

If you connected the Player to a Stereo using the COAXIAL jack as shown on page 15, adjust LPCM OUTPUT.
Discs are recorded in a certain sampling rate. The higher the sampling rate, the better the sound quality. Some Discs are recorded in a high sampling rate of 96 kHz. Set LPCM OUTPUT to 96K if you are playing Discs recorded at this high rate. Otherwise, set LPCM OUTPUT to 48K.



1 **Press SYSTEM MENU.**

2 **Press ▶ to select the AUDIO SETUP PAGE icon at the top of the menu. Press OK or ▼.**

3 **Press ▼ to select DIGITAL AUDIO SETUP, then press OK.**

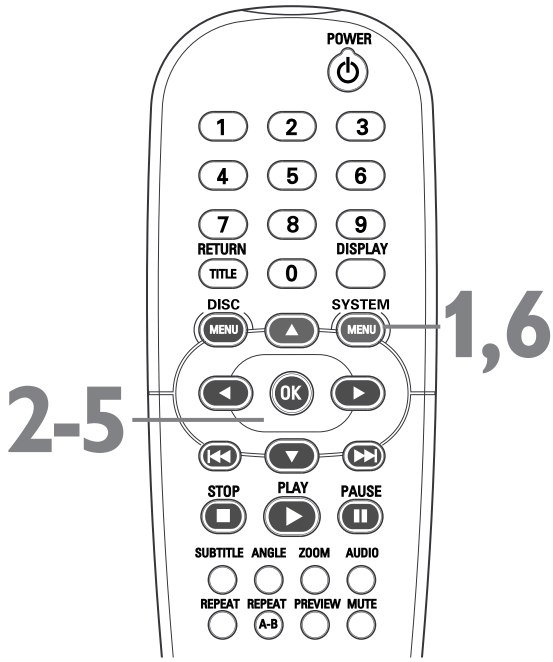
4 **Press ▼ to select LPCM OUTPUT, then press ▶.**

5 **Press ▲ or ▼ to select 48K or 96K, then press OK.** Your selection will be highlighted in brown.

6 **Press SYSTEM MENU to remove the menus.**

Sound Mode

Select the sound mode that matches the type of music you play most often. These preset sound modes adjust the frequency bands of the audio to enhance your favorite music style.

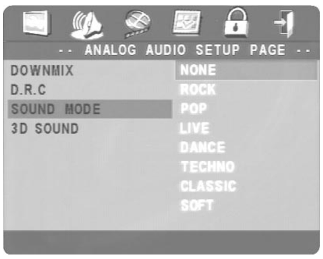


1 **Press SYSTEM MENU.**

2 **Press ▶ to select the AUDIO SETUP PAGE icon at the top of the menu. Press OK or ▼.**

3 ANALOG AUDIO SETUP will be highlighted in green. **Press OK.**

4 **Press ▼ to select SOUND MODE, then press ▶.**

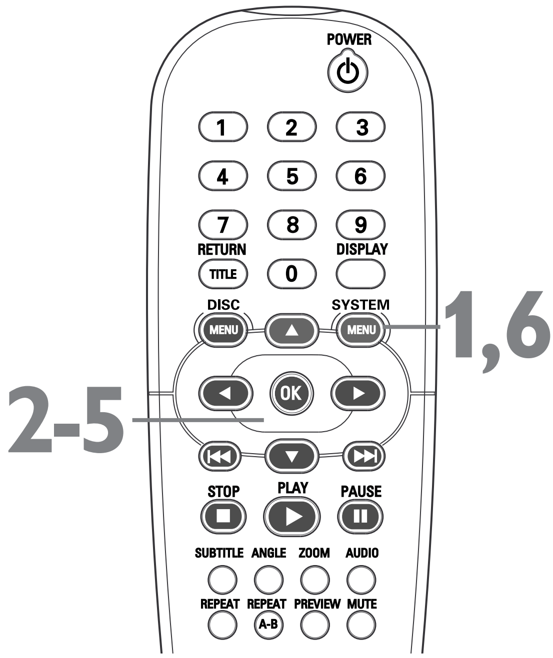


5 **Press ▲ or ▼ to select NONE, ROCK, POP, LIVE, DANCE, TECHNO, CLASSIC, or SOFT, then press OK.** Your selection will be highlighted in brown.
Choose NONE to play the Disc with its original sound effects.

6 **Press SYSTEM MENU to remove the menus.**

3D Sound

During music playback, this feature simulates echoes and frequencies that may be available in a particular environment. Choose the environment that you would like to recreate by changing the 3D SOUND setting.

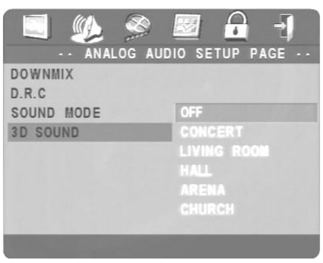


1 **Press SYSTEM MENU.**

2 **Press ▶ to select the AUDIO SETUP PAGE icon at the top of the menu. Press OK or ▼.**

3 ANALOG AUDIO SETUP will be highlighted in green. **Press OK.**

4 **Press ▼ to select 3D SOUND, then press ▶.**

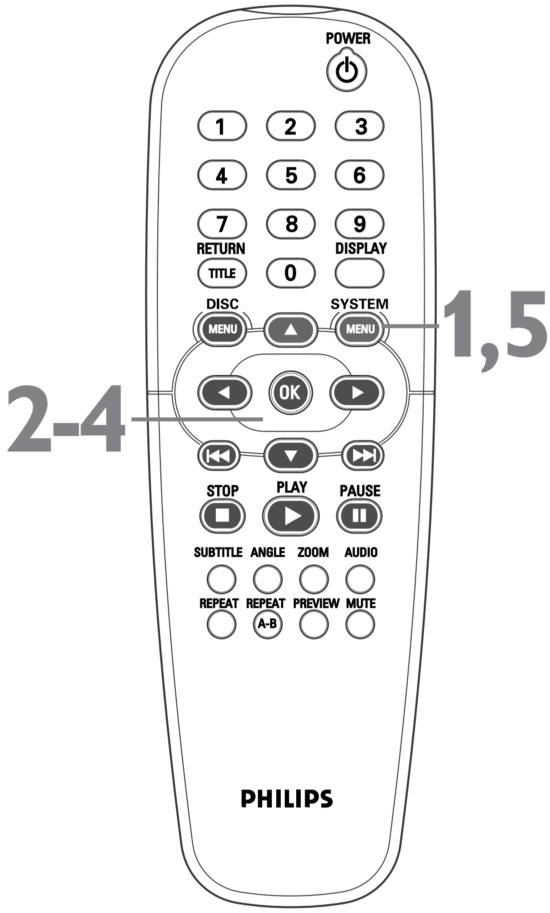


5 **Press ▲ or ▼ to select OFF, CONCERT, LIVING ROOM, HALL, ARENA, or CHURCH, then press OK.** Your selection will be highlighted in brown.
Choose OFF to play the Disc with its original sound effects.

6 **Press SYSTEM MENU to remove the menus.**

42 Display Language

You can set the DVD Player's Setup menus and on-screen messages to appear in English, Spanish, or French. These are the only three languages available. This language selection will not affect the languages of DVD Disc or Title menus or any audio, subtitle, or Closed Caption languages. To change the DVD Player's menu language, follow these steps.



1 **Press SYSTEM MENU.**

2 The GENERAL SETUP PAGE will be selected. **Press OK or ▼.**

3 OSD LANGUAGE (on-screen display) will be highlighted in green. **Press ▶.**



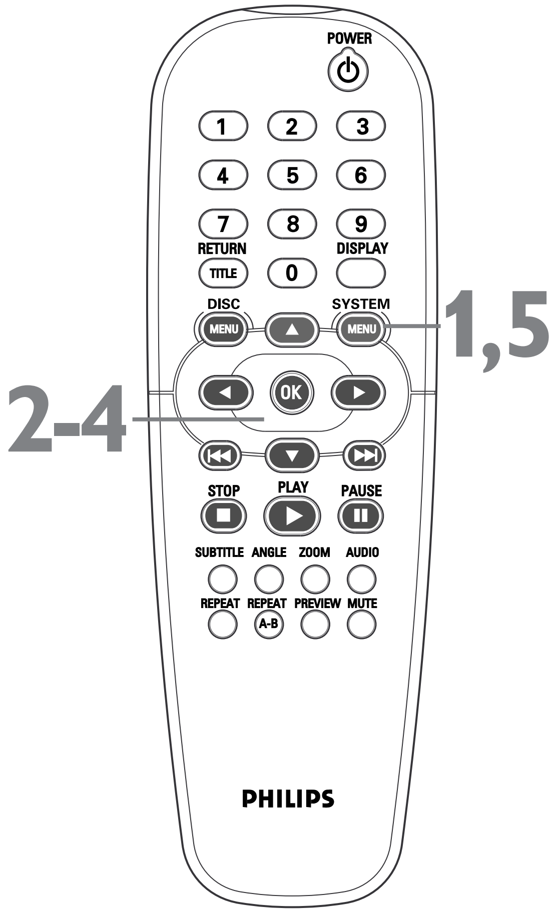
4 **Press ▲ or ▼ to select ENGLISH, ESPAÑOL (Spanish), or FRANCAIS (French), then press OK.** Your selection will be highlighted in brown. The menus will change to the language you selected.

5 **Press SYSTEM MENU to remove the menus.**

Helpful Hint

- *If you have French or Spanish menus and need English:*
  1) Press SYSTEM MENU.
  2)The first icon on the left (PAG.CONFIG.GENERAL or PAGE REGLAGES GENERAUX) will be selected. Press OK.
  3) With LANGUE OSD or IDIOMA MENUS highlighted in green, press ▶.
  4) Press ▲ to select ENGLISH, (or INGLES), then press OK.
  5) Press SYSTEM MENU.

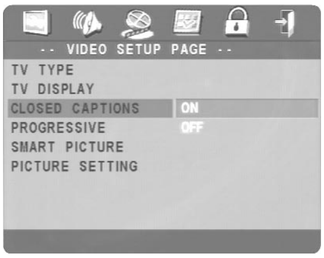
Closed captions are hidden in the video signal of some Discs. Different than subtitles, closed captions are intended for the hearing impaired and also show sound effects. For example, closed captions may include information such as "phone ringing" or "footsteps approaching," while a subtitle would only show spoken text.
Though you can turn on Closed Captions in the DVD Player's menu, the captions must be available on the Disc. Also make sure you turn on Closed Captioning on your TV. Otherwise, the captions will not appear.



1 **Press SYSTEM MENU.**

2 **Press ▶ to select the VIDEO SETUP PAGE icon at the top of the menu. Press OK or ▼.**

3 **Press ▼ to select CLOSED CAPTIONS. Press ▶.**

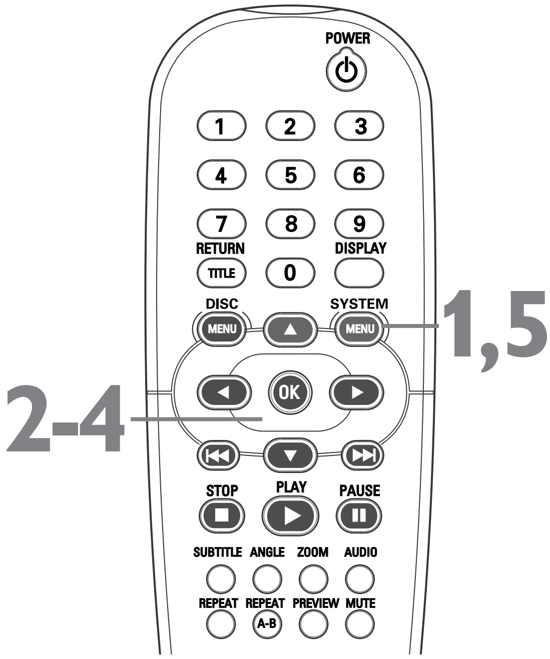


4 **Press ▲ or ▼ to select ON or OFF, then press OK.** Your selection will be highlighted in brown.

5 **Press SYSTEM MENU to remove the menus.**

Screen Saver

The Screen Saver is the moving DVD logo that appears on your TV screen when playback is stopped. It prevents damage to your TV screen caused by leaving a still image on the TV too long.



1 **Press SYSTEM MENU.**

2 GENERAL SETUP will be selected. **Press OK or ▼.**

3 **Press ▼ to select SCREEN SAVER, then press ▶.**

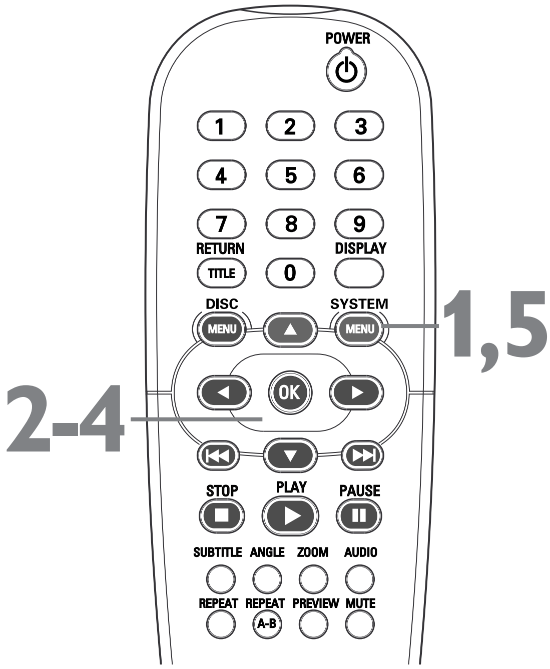


4 **Press ▲ or ▼ to select ON or OFF, then press OK.** Your selection will be highlighted in brown. Choose ON to have the Screen Saver appear on your TV screen when you have not used the Player or its remote for approximately five minutes and playback is stopped. To disable the screen saver, choose OFF. A dark blue DVD screen will appear when playback is stopped.

5 **Press SYSTEM MENU to remove the menus.**

Display Dim

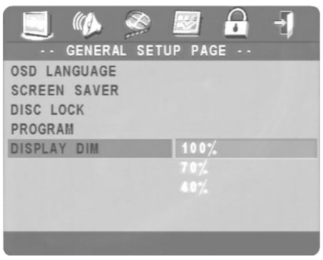
You can adjust the brightness of the display panel on the front of the Player by following these steps.



1 **Press SYSTEM MENU.**

2 The GENERAL SETUP PAGE will be selected. **Press OK or ▼.**

3 **Press ▼ to select DISPLAY DIM, then press ▶.**



4 **Press ▲ or ▼ to select 100%, 70%, or 40%, then press OK.** Your selection will be highlighted in brown. The display panel will dim or brighten according to your choice.

5 **Press SYSTEM MENU to remove the menus.**

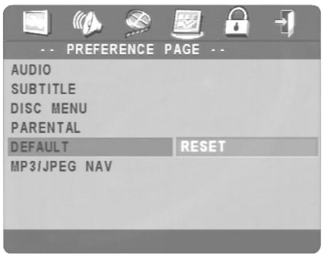
To restore the original settings of the DVD Player, follow the steps below.

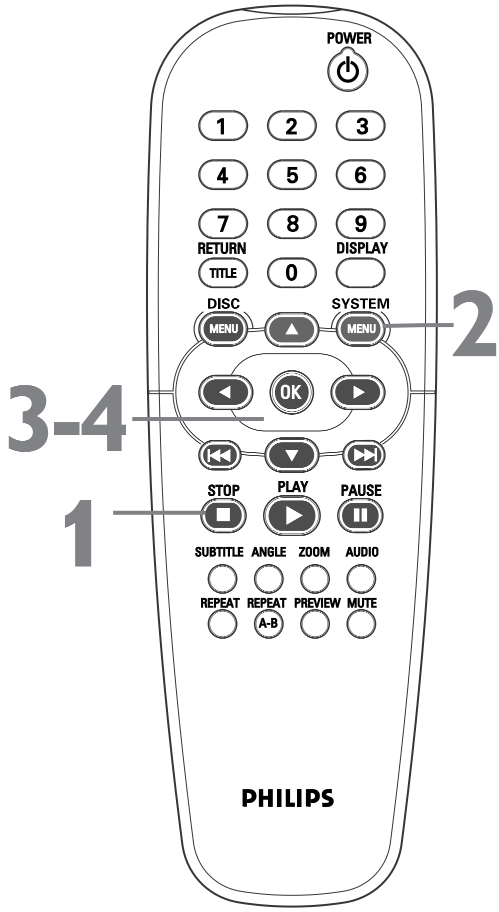
1 **Press STOP ■ *twice* to stop Disc playback completely.**

2 **Press SYSTEM MENU.**

3 **Press ▶ to select the PREFERENCE PAGE icon at the top of the menu, then press OK or ▼.**

4 **Press ▼ to select DEFAULT. Press ▶ to highlight RESET in green, then press OK.** The original settings of the DVD Player will be restored and the menu will clear from the screen automatically.





Helpful Hint

- *Restoring the Defaults will reset the Player's menus to English.*

If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.
If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is on the rear of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representatives will be happy to assist you.

No power
- Press the STANDBY-ON ⏻ button on the front of the DVD Player or POWER ⏻ on the remote. A red light appears on the front of the Player if the DVD Player is in Standby mode (power off).
- Make sure you connected the DVD Player's power cord to an AC power outlet.
- Make sure the AC outlet has power by trying another appliance in the same outlet.

No picture
- Make sure the TV power is on.
- Check the video cables. Make sure the cable(s) are fastened securely to the DVD Player and to the TV.
- Set your TV to the correct Video In channel. These channels are usually near channel zero. Or, you may have a button on the TV remote control that selects an Auxiliary, A/V IN, or Video channel. See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02), then change channels down until you see DVD playback or the blue DVD screen on the TV.
  If you are using an RF modulator as described on page 10, set the TV to channel 3 or 4 instead.
- You only need one video connection between the DVD Player and the TV. *Details are on page nine.*

Distorted picture
- Check the Disc for fingerprints or scratches. Clean the Disc with a soft cloth, wiping from the center to the edge in a straight line. Do not wipe the Disc in a circular motion.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.

The picture is distorted, the picture rolls, or the picture is only black and white.
- TVs have a color system standard, usually NTSC in the United States. If the Disc's or DVD Player's color system is different than your TV's color system, the picture may be distorted or colorless. Set the Player's TV TYPE to match your TV and your DVDs. *Details are on page 38.*
- A DVD or Video CD picture may become distorted or black and white if you switch among PAL and NTSC (for TV TYPE). If so, set SMART PICTURE to STANDARD to correct the picture. *Details are on page 36.*

The sound is distorted or there is no sound during Disc playback.
- Make sure you did not connect any cables from the DVD Player to a Stereo's "PHONO IN" jack.
- Make sure you did not connect the Player's COAXIAL digital audio out jack to an analog jack on the Stereo. (Analog audio jacks are usually labeled as such and are usually red and white. The coaxial jack of the DVD Player is black.

No sound
- Check the audio connections. *Details are on pages 10-15.* Remember, you only need one audio connection. See page nine to see what connection best suits your situation.
- Make sure cables are connected firmly to all equipment.
- Select another channel, sound source, or Auxiliary station at your Stereo or TV. See your Stereo or TV manual for details. Or, continue selecting the different sound sources or modes on the Stereo or TV until you hear sound from the Disc that is in the DVD Player. *Details are on pages 10-15.*
- Make sure your DOWNMIX, DIGITAL OUTPUT, and LPCM OUTPUT settings match the capabilities of your Stereo or TV. *Details are on pages 39-40.*
- Check the Audio setting of a DVD in the DVD Disc Menu, if available, and adjust as necessary.
- Deactivate mute at the DVD Player by pressing MUTE on the Player's remote.

Disc will not play.
- Make sure the Disc label is facing up. If you are playing a two-sided Disc, make sure the label of the side you want to play is facing up. *Details are on page 16.*
- Check the Parental controls. *Details are on pages 28-30.*
- Check the Region Code of the DVD. The DVD must be coded for All regions or Region 1 in order to play on this DVD Player. *Details are on page seven.*
- See if the Disc is defective by trying another Disc. Make sure the Disc is not scratched or warped. Carefully clean the Disc. *Details are on page six.*
- You must finalize CD-R, DVD+R, and DVD+RW discs before playing them on this Player.
- If you are playing a CD-R or CD-RW you made, make sure it contains at least 3 MB of data. *Details are on page 34.*

An Audio CD will not play.
- Some Audio CDs available on the market are copy protected. These discs will not play on this DVD Player. See your retailer for options regarding non-protected Audio CDs.

The DVD logo does not appear on the TV screen after you remove a Disc.
- Reset the DVD Player by switching it off, then on again.

The DVD Player does not respond to the remote control.
- Aim the remote at the remote sensor on the front of the Player. Do not aim the remote toward your TV, but toward the DVD Player.
- Remove any obstacles between the DVD Player and the remote control. Move closer to the Player and try the remote again.
- Inspect or replace the batteries in the remote control. *Details are on page eight.*

The DVD Player will not select some features, such as Angles, Subtitles, or multi-language Audio.
- The feature may not be available on the Disc. If it is not, the ∅ will appear on the TV screen. Check the Disc case to see if the Disc has the feature. If the Disc does not have the feature, the DVD Player cannot create the feature. This is not a malfunction of the Player.
  Or, the feature may not be available at the present time. Some features are only available during playback, while other items can be accessed only when play is stopped. Try stopping or starting playback, then try the feature again.

The DVD Player does not work.
- Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate the Player again as usual.

The DVD Player turns itself off.
- If there is no activity at the DVD Player or with its remote control for 15 minutes and playback is stopped, the Player will turn itself off. This is an energy-saving feature that cannot be altered. Press STANDBY-ON ⏻ on the Player or POWER ⏻ or PLAY ▶ on the remote to turn on the Player.

Disc play is irregular or DVD Disc menu operation is faulty.
- Due to the inconsistency of Disc formats provided by various Disc manufacturers, your DVD Player may require a playability enhancement or upgrade. As DVD technology has advanced, these enhancements have become both common and easy to complete.
  Please contact Philips at 1-800-531-0039 for assistance.

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. Analog sound is available when you use the red and white audio jacks on your equipment. These jacks send audio through two channels, the left and right.

AUDIO OUT Jacks: Jacks on the rear of the DVD Player that send audio to another system (TV, Stereo, etc.). The jacks are red and white.

CD: Compact Disc.

Chapter: A part of a Title.

COAXIAL jack: Sends digital audio to a Stereo, allowing you to adjust the volume at the Stereo. The Stereo must have a Coaxial In jack. This connection provides the 5.1 channel surround sound as heard in movie theaters. The COAXIAL jack on the rear of the DVD Player is black.

Color system: There are various systems for transmitting television signals, for example PAL, SECAM, and NTSC. NTSC is the most common color system in the United States of America.

Component Video Y Pb Pr Jacks: The Video Out jacks on the rear of the DVD Player that send high-quality video to a TV that has Component Video In jacks. The jacks on the DVD Player are red, blue, and green.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the Player's COAXIAL jack, which sends audio through multiple channels instead of two channels as analog does.

Dolby Digital: A surround sound system that provides 5.1 channel sound as used in movie theaters.

DVD: Digital Video Disc.

Letter Box: Widescreen format; a TV aspect ratio setting (4:3). Displays the video in full-width, with black bars at the top and bottom of the TV screen. This format is similar to seeing a movie in a theater. If the Disc does not include a letter box format, selecting letter box may have no effect. Some DVDs are two-sided, with one side playing in widescreen format and the other side playing in a normal (pan & scan) format.

Pan & Scan: A TV aspect ratio setting (4:3). Displays the video with full-height picture with one or both sides of the picture trimmed to fit on your TV screen. Some movie companies refer to this as "reformatting the picture to fit your TV screen."

PBC: Playback Control. A special feature on some Video CDs/Super Video CDs that enables interactive use.

PCM: Pulse Code Modulation. A digital audio encoding system.

RGB: Red-Green-Blue. A top-quality video connection where red, green, and blue components of the picture are carried through separate wires. This also is referred to as the component video connection.

S-Video: Produces a clear picture by sending separate signals for the luminance and the color.

Title: A unit of recording on a DVD.

VCD: Video Compact Disc.

VIDEO OUT Jack: Yellow jack on the rear of the DVD Player that sends video (picture) to a TV.

Widescreen: A TV aspect ratio setting (16:9). Displays the video appropriately when you connect the DVD Player to a widescreen TV.

Specifications

PLAYABLE DISCS

DVD-Video	Audio CD
Video CD	Super Video CD
Picture CD	MP3-CD
CD Recordable (CD-R)	CD Rewritable (CD-RW)
DVD Recordable (DVD+R)	DVD Rewritable (DVD+RW)

TV STANDARD	PAL/50Hz	NTSC/60Hz
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

VIDEO OUT	1Vpp---75Ω
S-VIDEO OUT	Y: 1.00Vpp---75Ω
	C: 0.30Vpp---75Ω
Y Pb Pr	Y: 1.00Vpp---75Ω
	Pb: 0.7Vpp---75Ω
	Pr: 0.7Vpp---75Ω

CABINET

Dimensions (w x h x d):	17.1 x 1.7 x 11.8 inches
Weight:	Approximately 6.6 lbs.

REAR CONNECTIONS

Component Video Out	Cinch (green/blue/red)
S-Video Out	Mini DIN 4-pins
Video Out	Cinch (yellow)
Audio Out	Cinch (white/red)
Digital Audio Out	One coaxial IEC958 for CDDA/LPCM/MPEG1 IEC1937 for MPEG2, Dolby Digital, and DTS

AUDIO FORMAT

Digital	Mpeg/ AC-3/ DTS	compressed Digital
	PCM	16, 20, 24 bits fs, 44.1, 48, 96 kHz
	MP3(ISO 9660)	24, 32, 56, 64, 96, 128, 256 kbps & variable bit rate fs, 16, 22.05, 24, 32, 44.1, 48kHz
Analog Sound Stereo		

AUDIO PERFORMANCE

DA Converter	24 bit	
Signal to Noise (1kHz)	100dB	
Dynamic range (1kHz)	> 90 dB	
DVD	fs 96 kHz	4 Hz -44 kHz
	fs 48 kHz	4 Hz -22 kHz
Super Video CD	fs 48 kHz	4 Hz -22 kHz
	fs 44.1 kHz	4 Hz -20 kHz
Video CD/Audio CD	fs 44.1 kHz	4 Hz -20 kHz

LASER

Type	Semiconductor laser GaAIAs
Wavelength	650nm (DVD) 780nm (Video CD/Audio CD)
Output power	7mW (DVD) 10mW (Video CD/Audio CD)
Beam divergence	60 degree

Language Codes

You will need these codes if you want a different language for Subtitles, Audio, or Disc menus. ***Details are on pages 25-27.***

A
Abkhazian 6566
Afar 6565
Afrikaans 6570
Albanian 8381
Amharic 6577
Arabic 6582
Armenian 7289
Assamese 6583
Avestan 6569
Aymara 6589
Azerbaijani 6590
B
Bashkir 6665
Basque 6985
Belarusian 6669
Bengali 6678
Bihari 6672
Bislama 6673
Bokmal, Norwegian 7866
Bosnian 6683
Breton 6682
Bulgarian 6671
Burmese 7789
C
Castilian, Spanish 6983
Catalan 6765
Chamorro 6772
Chechen 6769
Chewa, Chichewa, Nyanja 7889
Chinese 9072
Chuang, Zhuang 9065
Church Slavic, Slavonic 6785
Chuvash 6786
Cornish 7587
Corsican 6779
Croatian 7282
Czech 6783
D
Danish 6865
Dutch 7876
Dzongkha 6890
E
English 6978
Esperanto 6979
Estonian 6984
F
Faroese 7079
Fijian 7074
Finnish 7073
French 7082
Frisian 7089
G
Gaelic, Scottish Gaelic .7168
Gallegan 7176
Georgian 7565
German 6869
Gikuyu, Kikuyu .7573
Greek 6976
Guarani 7178
Gujarati 7185
H
Hausa 7265
Hebrew 7269
Herero 7290
Hindi 7273
Hiri Motu 7279
Hungarian 7285
I
Icelandic 7383
Ido 7379
Indonesian 7368
Interlingua, International
Interlingue 7365, 7369
Inuktitut 7385
Inupiaq 7375
Irish 7165
Italian 7384
J
Japanese 7465
Javanese 7486
K
Kalaallisut 7576
Kannada 7578
Kashmiri 7583
Kazakh 7575
Khmer 7577
Kinyarwanda ...8287
Kirghiz 7589
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